TKPark

TK Design Manual
A Platform for Designing Library and Learning Space

TK Design

Design Platform Development Project
Better Library and Learning Space

Thailand Knowledge Park

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Table of Contents

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1. Open TK Design

TK Design

Click on TK Design's icon
to open the program
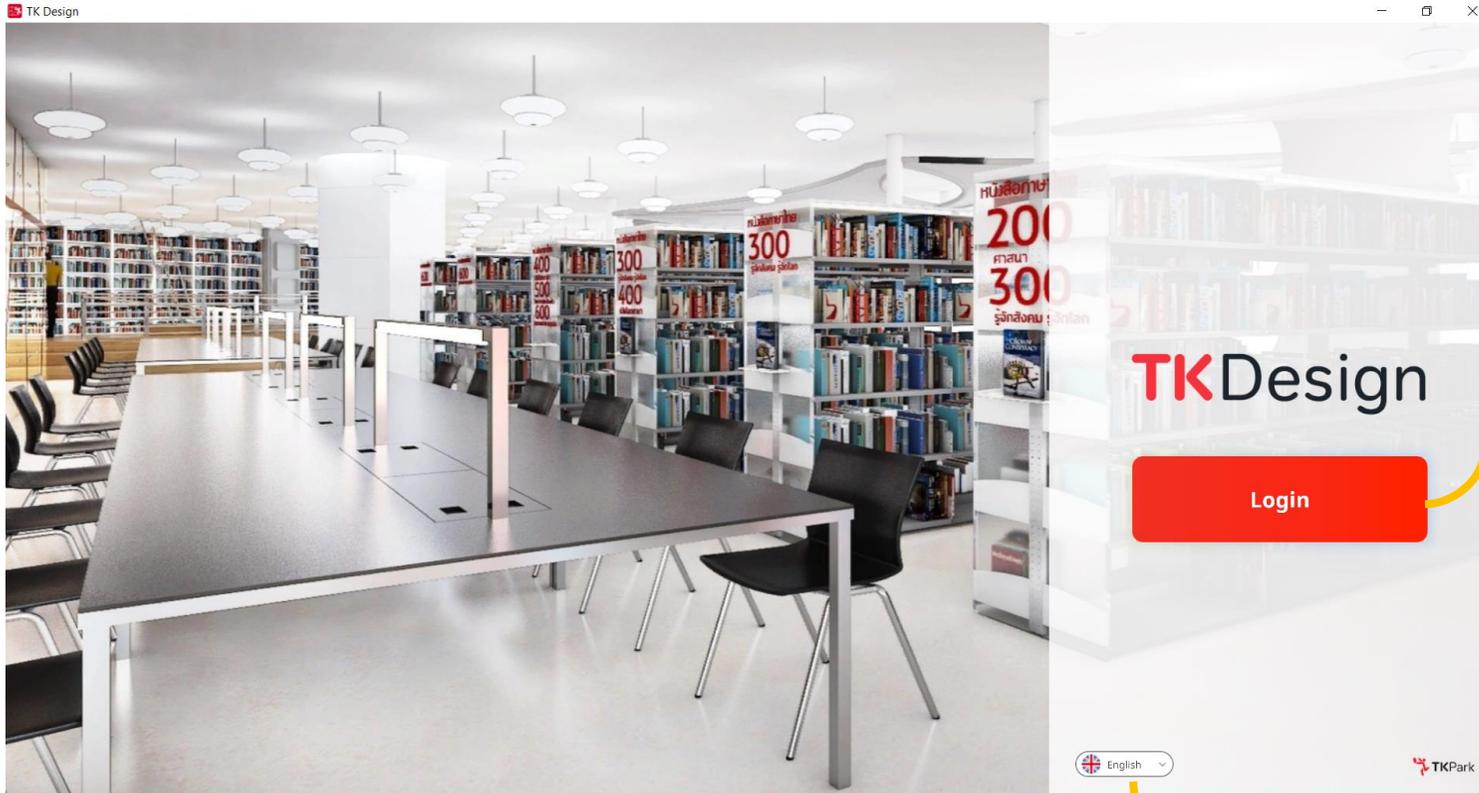
2. Run the Program

Step 1 Download

Click to download all data before using the program

Download icon appears when opening the TK Design for

the first time and when the system is updated to a new version

Step 2 Run Program

Click to run the program after successfully downloaded

all data

3.Log In

Log in Button

Click to log in

Switch Language

Click to switch the system language

between Thai and English

3.Log In

3.1 Registration

Login with TK Park account

Username

Password

Forgot username   Forgot password

Log in   **Cancel**

New account **Register** here

Register Button

Click to register for

non-members

3.Log In

3.1 Registration

New account TK park

Citizen ID/Passport *

Enter ID Number/
Passport Number

Firstname *   Lastname *

Enter First and Last Name

Enter Date of Birth

Date of birth *   Mobile number

Enter Mobile Number

Enter E-mail Address

Email

Enter Reference

*In case members do not have
phone number or e-mail address

Reference person ∨   In the case of the member doesn't have a mobile number or email

Enter User Name

*Only English characters and
numbers are allowed

Username *

Please specify only English letters and numbers

Specify at least 6 characters

Enter Password

*Only English characters, numbers,
and special symbols are allowed

Please specify only English letters, numbers, and special characters
@$!%*?&_.

Confirm password *

Specify at least 8 characters

☐ Sign for newsletter

Click to subscribe for further news

Click Confirm to register

OK   **Cancel**

Click Cancel to cancel registration

Log in to your account **click** here

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3.Log In

3.2 Logging In

Login with TK Park account

Username

Password

Forgot username   Forgot password

[Log in] [Cancel]

New account **Register** here

Enter User Name

Enter Password

Cancel Button

Click to cancel

Log In Button

Click to log in

Register Button

Click to register for non-members

3.Log In

3.3. Successful Log In Display
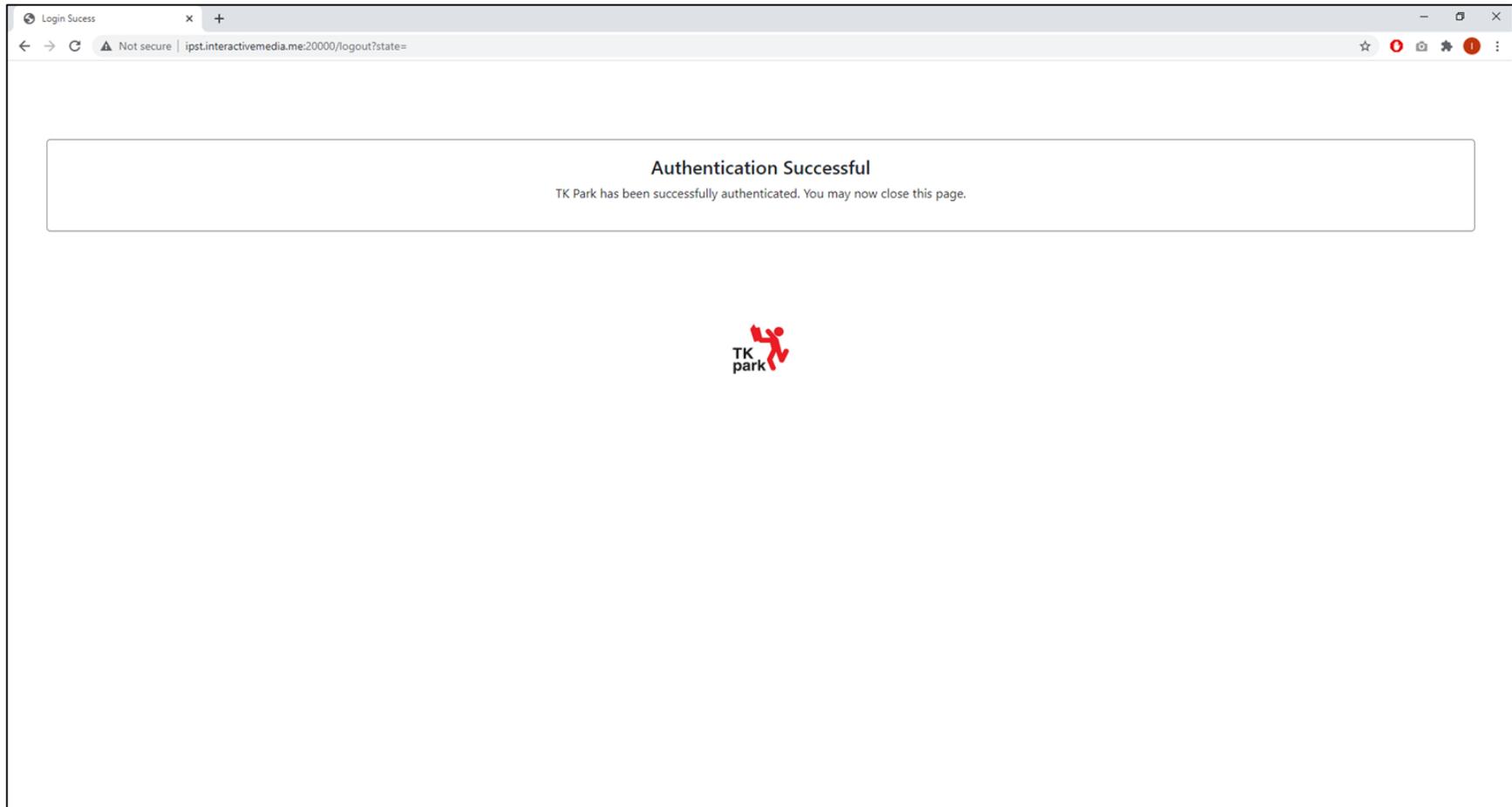
3.Log In

3.3. Successful Log In Display
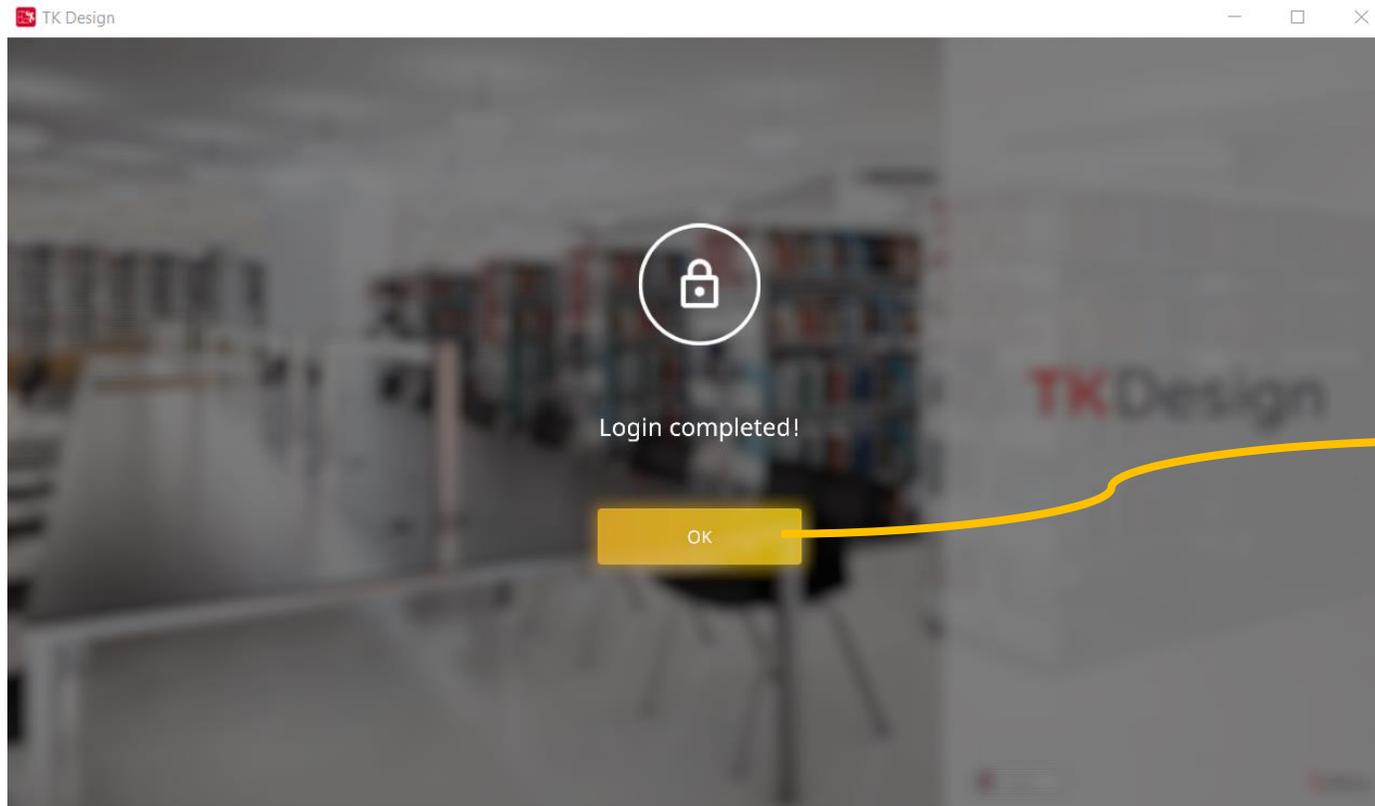
4.Menu Panel

Authority of Admin

Switch Language

Click to switch the system language between Thai and English

First Page

Display all projects

Create Project

Authority to create projects

Furniture warehouse

For furniture management within the system, authority to add, delete and edit

Module Manager

For module management within the system, authority to add, delete and edit

Role and User

Authority to manage users' authority in the system, delete, and edit

About TK Design

Display information about TK Design

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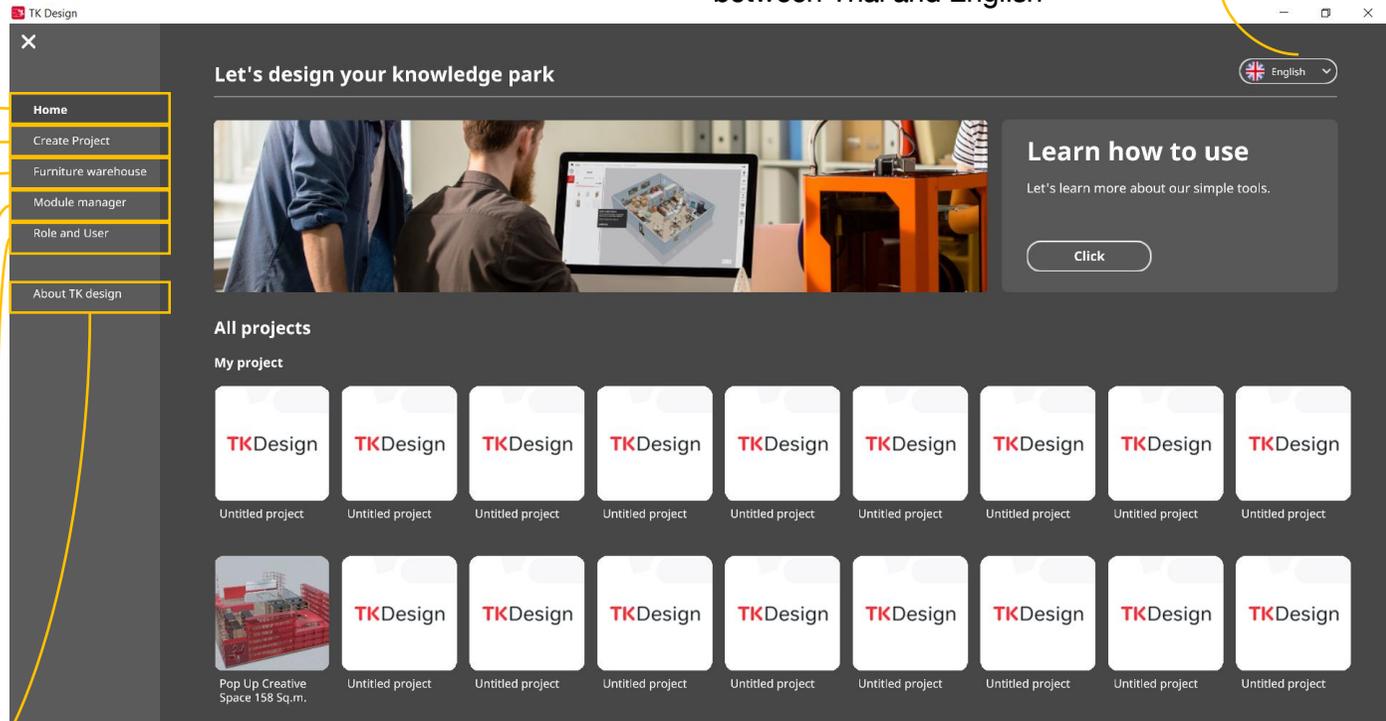
5.Open Project

Open project: no created project

Create new project

Click to create new project

5.Open Project

Open project : existing projects in the system
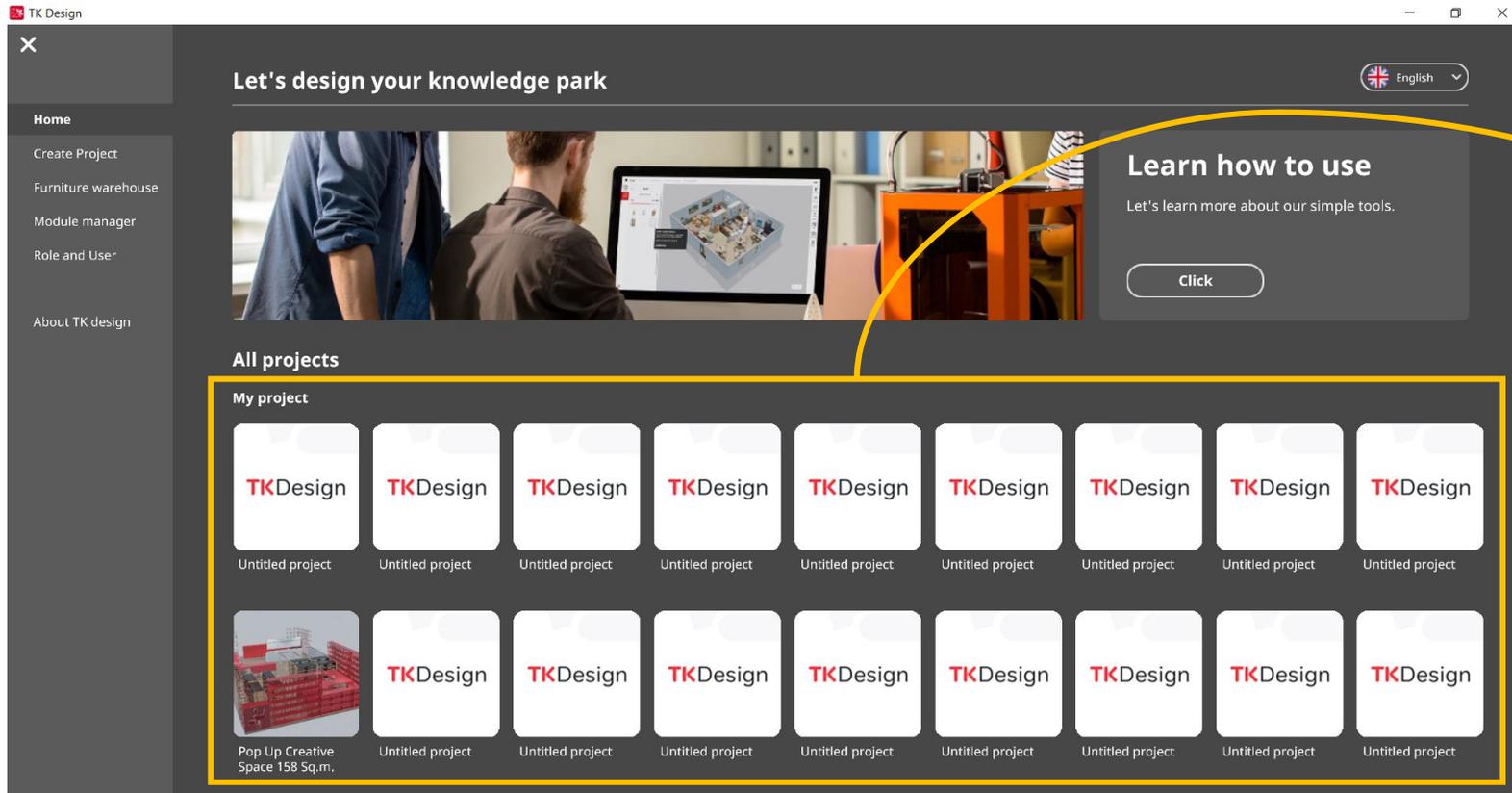
All Project

Show a list of existing projects, click to view or edit
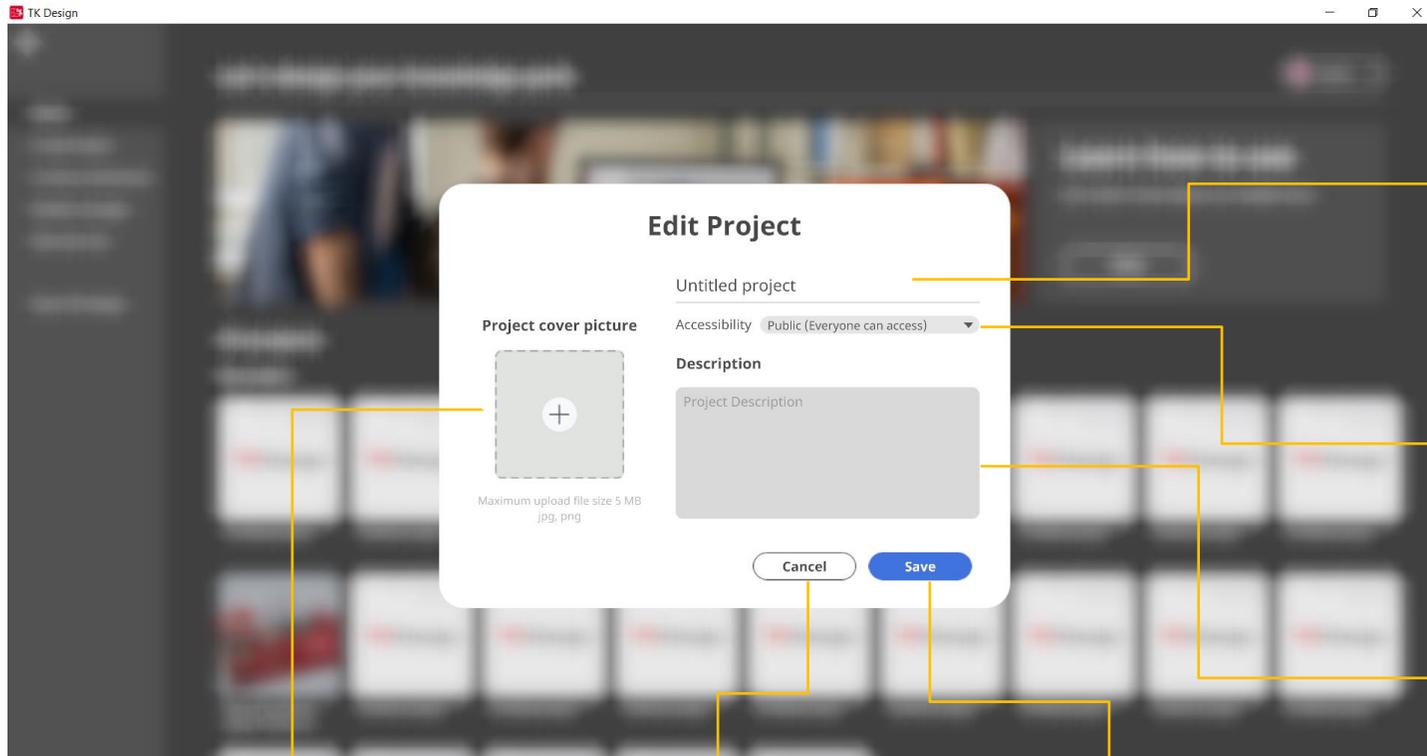
5.Open Project
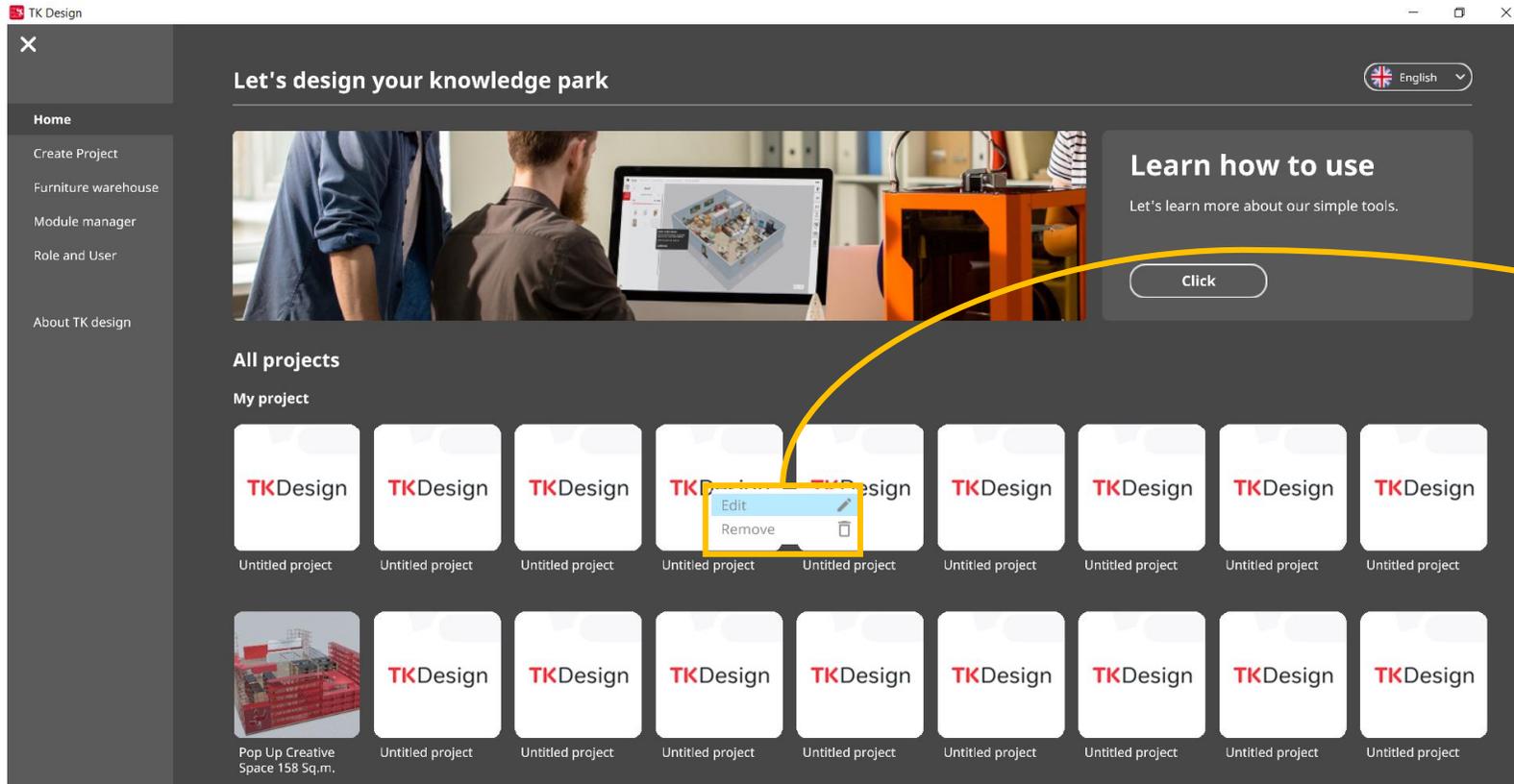
Edit Project

Right click to edit or

Remove project

5.Open Project

Project Name

Enter the name and details of the project user wish to edit

Accessibility

Choose the accessibility of project user wish to edit

- Public (Everyone can access)
- Private (Only you can access)

Description

Enter the details of the project user wish to edit

Project Cover Picture

Choose the cover picture of project user wish to edit

Cancel

Cancel the edited of the project

Save

Confirm the edited of the project

6.Create Project

Project Details

Enter project name, building name, and floor number

① Create Project

Click to create project

② Project Cover

Click to upload cover picture

Click to choose size and shape of the space ⑤

Create ⑥

Click to create project

Floor Size ④

Click to choose floor size

TK Design

×

Create new knowledge park

🇬🇧 English ⌄

Home

Create Project

Furniture warehouse

Module manager

Role and User

About TK design

Project cover picture

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Maximum upload file size 5 MB
jpg, png

Project name

Untitled project

Building name   Floor

Building 1   Floor 1

☐ Design helper ⑦

Floor Size

A	S	M	L
All All template	**Size S** Under 200 SQ.M.	**Size M** 200 - 2,000 SQ.M.	**Size L** Over 2,000 SQ.M.

› Project Description

Empty Floor

Square Room 200 SQ M.   Rectangle Room 200 SQ M.   L Shape Room 200 SQ M.

Square Room 1,000 SQ M.   Rectangle Room 1,000 SQ M.   L Shape Room 1,000 SQ M.

Square Room 2,000 SQ M.   Rectangle Room 2,000 SQ M.   L Shape Room 2,000 SQ M.

Cancel   Create

6.Create Project

Creating project with design assistant

3 Project Details

Enter project name, building name, and floor number
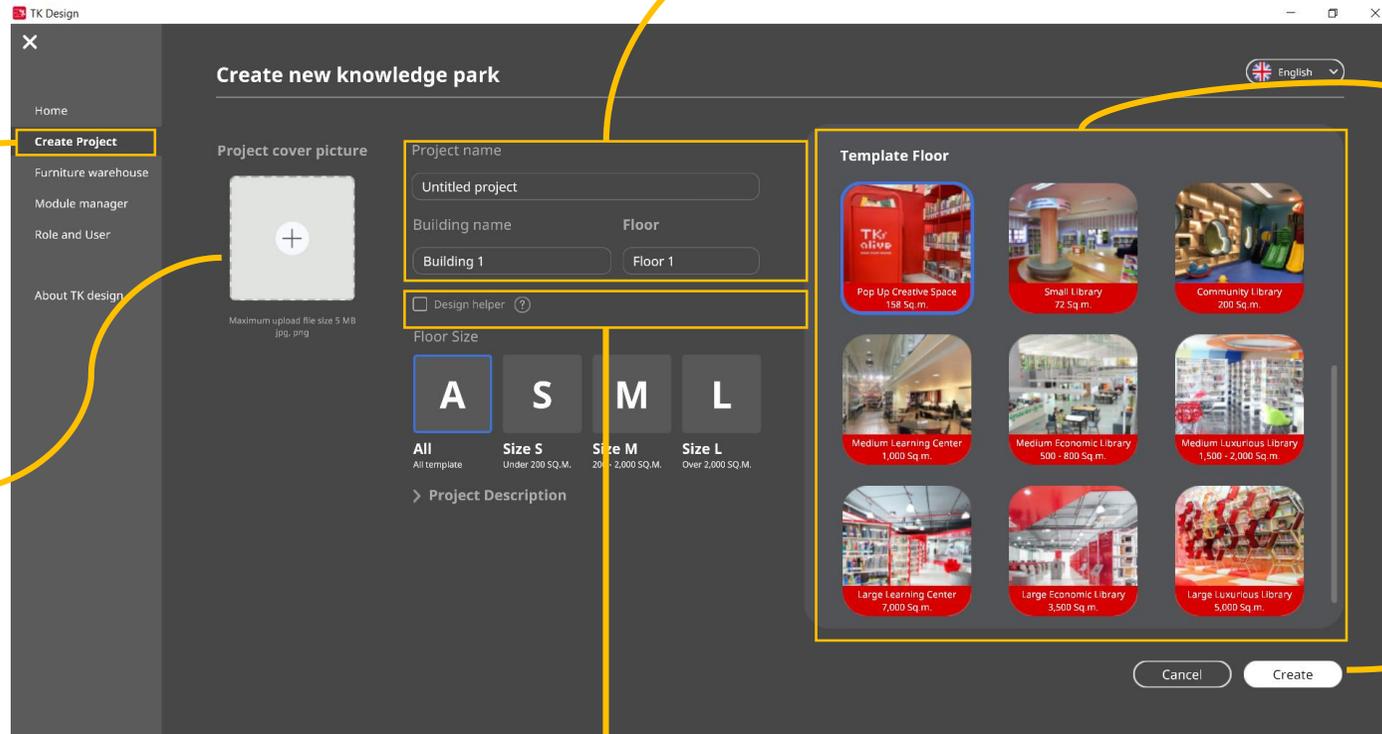
1 Create Project

Click to create project

2 Project Cover

Click to upload cover picture

5 Click to choose size and space template

6 Create

Click to create project

4 Design Helper

Click to choose to use design assistant

7.Shortcut Keys

Close

Click to close the window that explains how to use shortcut keys

8. Managing Project

Project : Building and Floors

Menu Panel

Create Project 1

Click to create new project

Edit

Click to edit projec's name

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project

Add Building

Click + Add Building to add building

Building

Click to see building's details

8. Managing Project

Project : Creating Project from Project Page
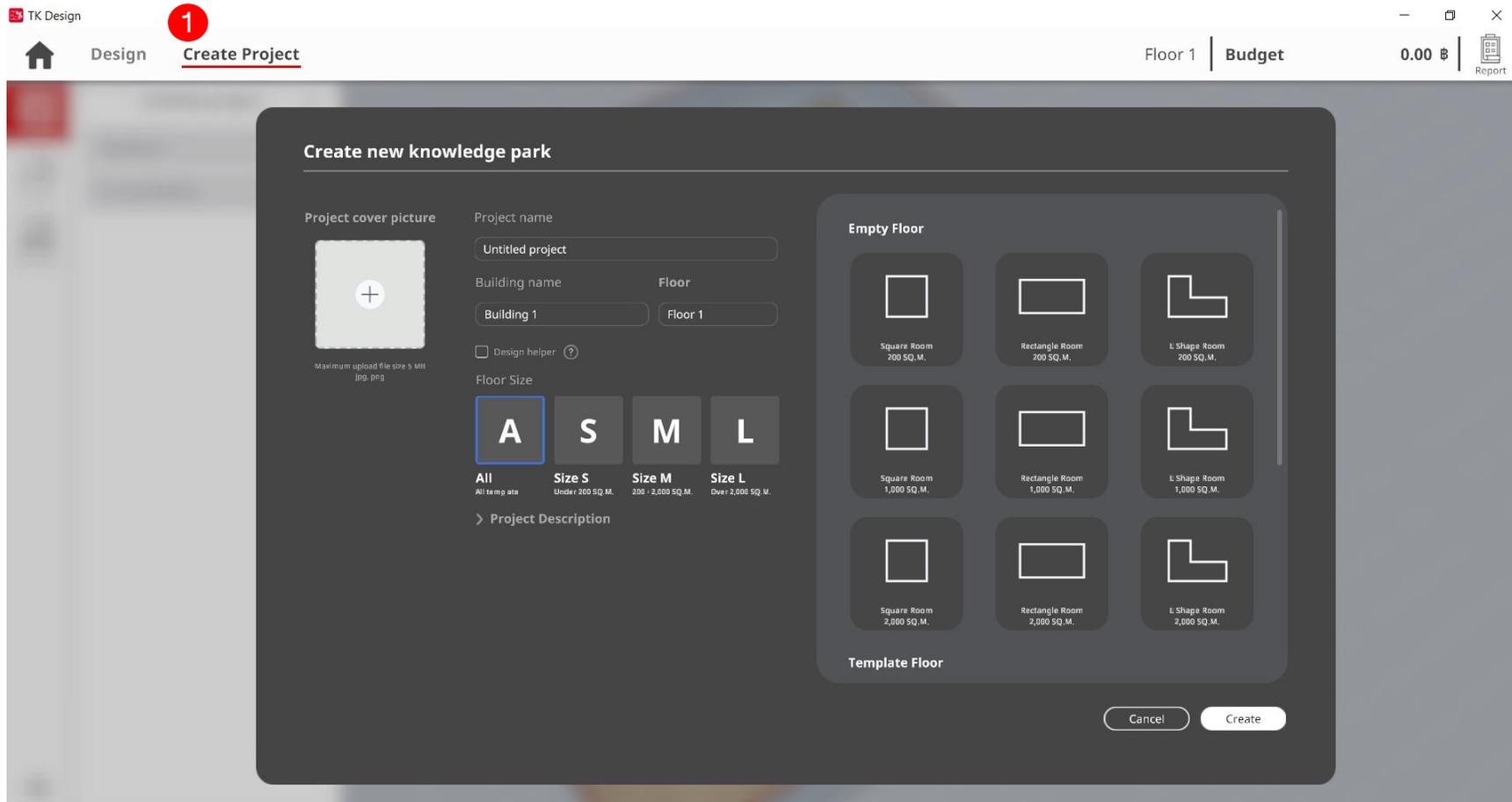
8. Managing Project

Project : Building and Floors

Edit Project

Click to edit project's name

Menu Panel

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project

Edit Building

Right-click to edit or delete building

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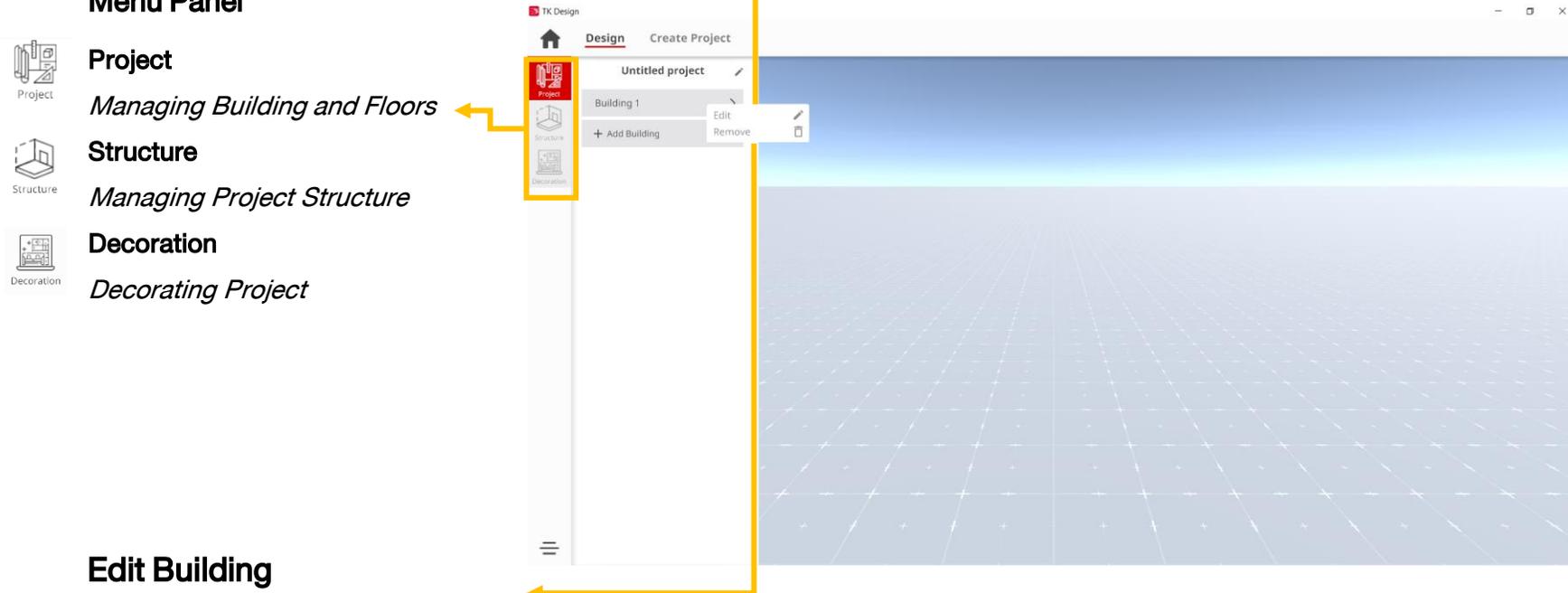
8. Managing Project

Project : Building and Floors

Edit Building

Fill in name and details of the building

8. Managing Project

Project : Building and Floors

Edit

Click to edit building's name

Menu Panel

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project

Add Floors

Click + Add Floors to add floors

8. Managing Project

Project : Building and Floors

Edit Project

Click to edit building's name

Menu Panel

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project

Edit Floors

Right-click to edit or remove floors

9.Managing Structure

Managing Structure

Menu Panel

Edit Structure

Click to edit the size of the structure

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project

① Wallpaper

Managing Structure : Edit Wall Pattern

② Floor Tile

Managing Structure : Edit Floor Pattern

③ Pole

Managing Structure : Edit Pole

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9.Managing Structure

Managing Structure : Edit Wall

Finish Editing

Click when finish adjusting the size of the stucture

Menu Panel

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project

Editing Tools

– **Wall** *(Add and Remove)*

– **Floor** *(Add and Remove)*

– **Pole** *(Add and Remove)*

Editing

Drag up and down to adjust

the height of the wall

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9.Managing Structure

Managing Structure : Edit Wall
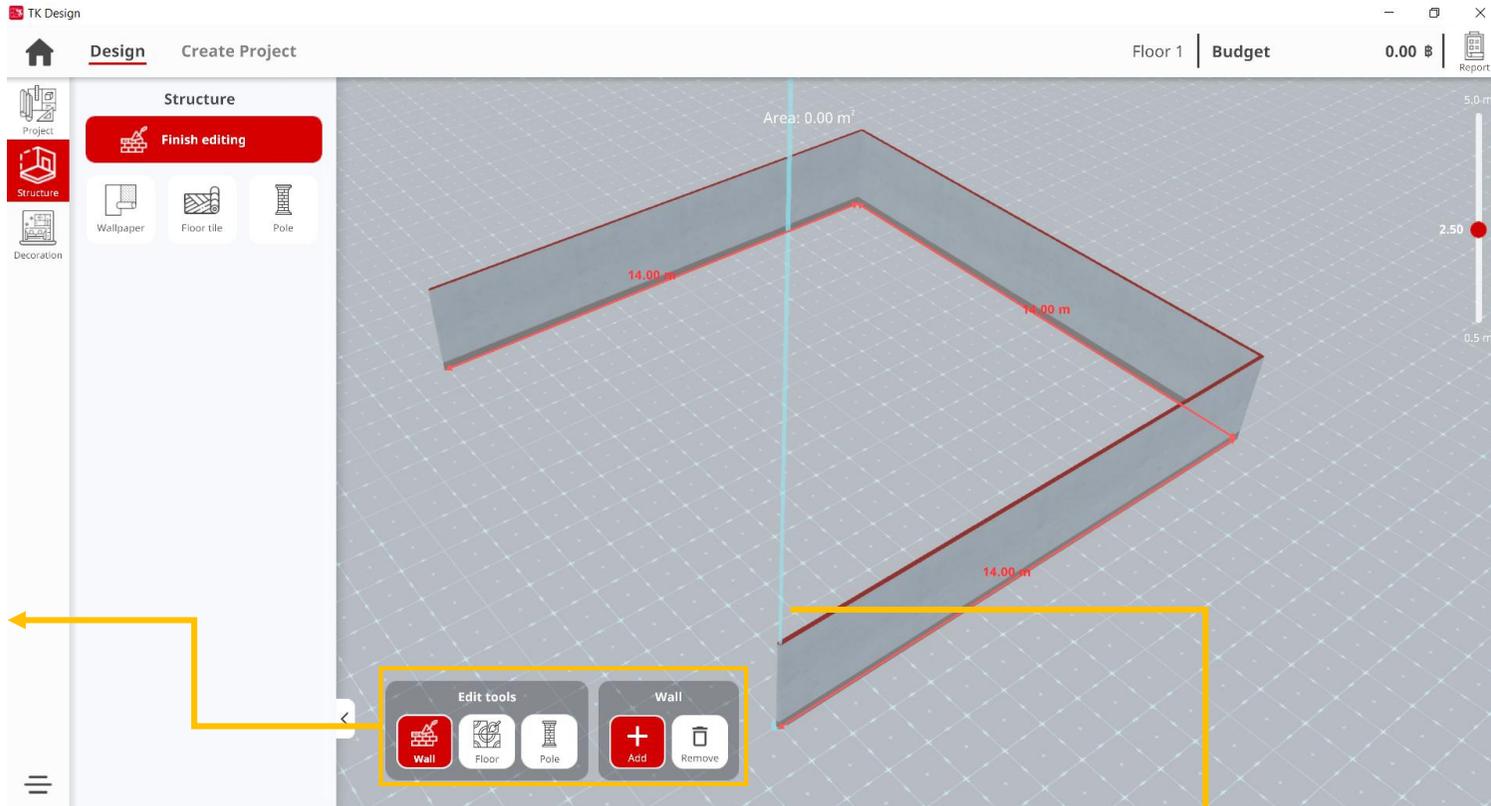
Editing Tools

Wall *(Add)*

Add Wall

Click and drag mouse to create wall

9.Managing Structure

Managing Structure : Edit Wall
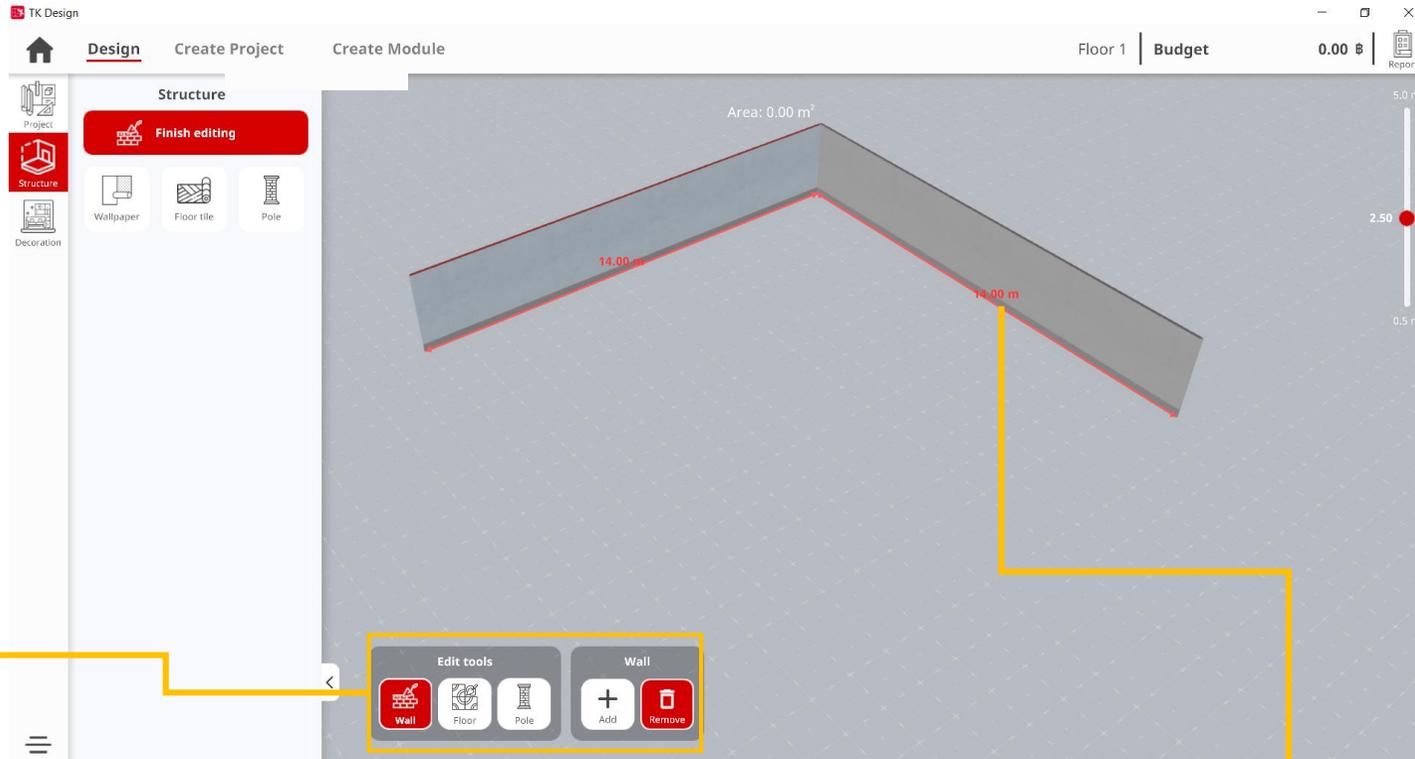
Editing Tools

Wall *(Delete)*

Delete Wall

Hover mouse over the wall and click once.

Wallpaper will be remove.

9.Managing Structure

Managing Structure : Edit Floor
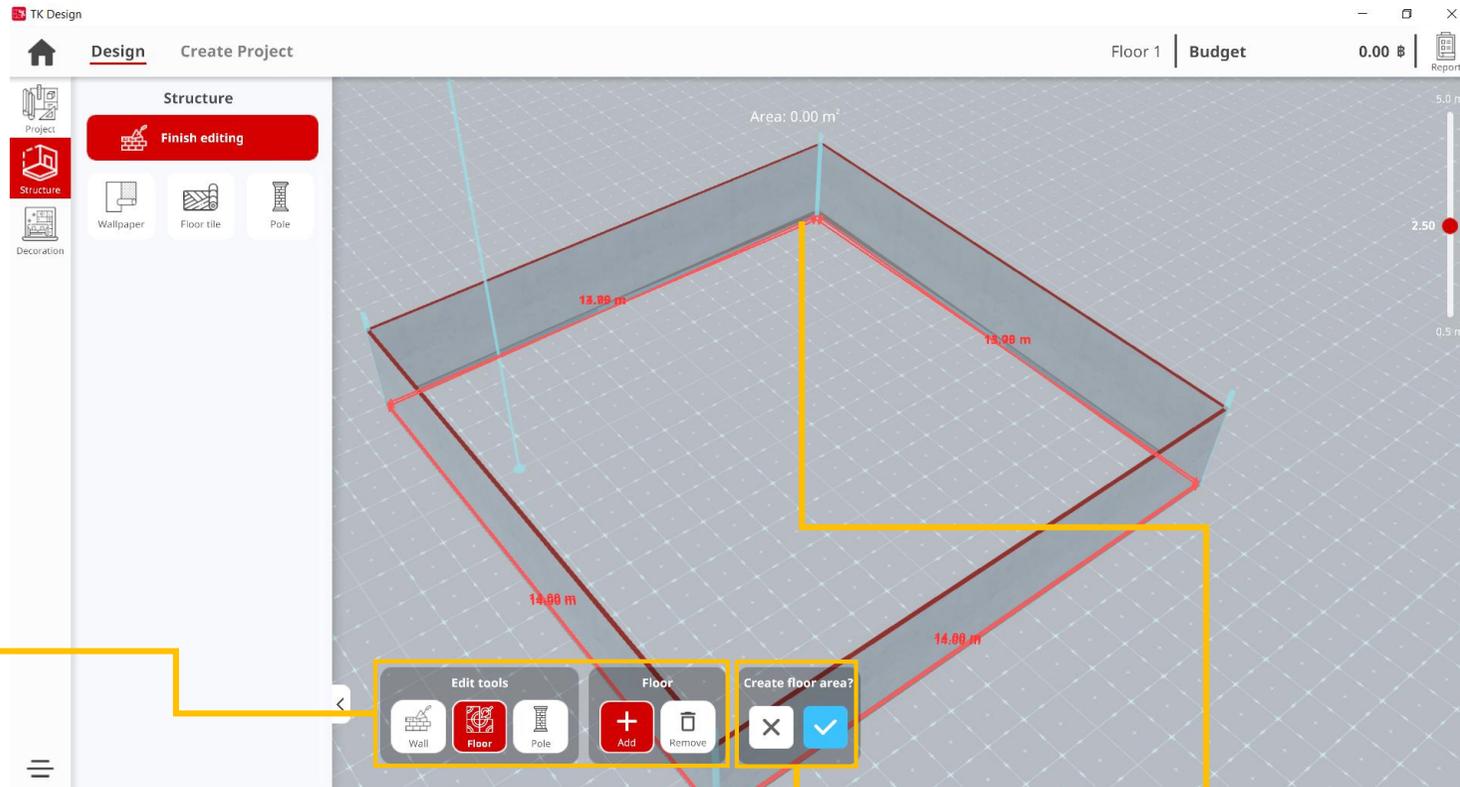
Editing Tools

Floor *(Add)*

Confirm Adding Floor

✔ Confirm

✕ Cancel

Add Floor

Choose 4 points to add floor

9.Managing Structure

Managing Structure : Edit Floor
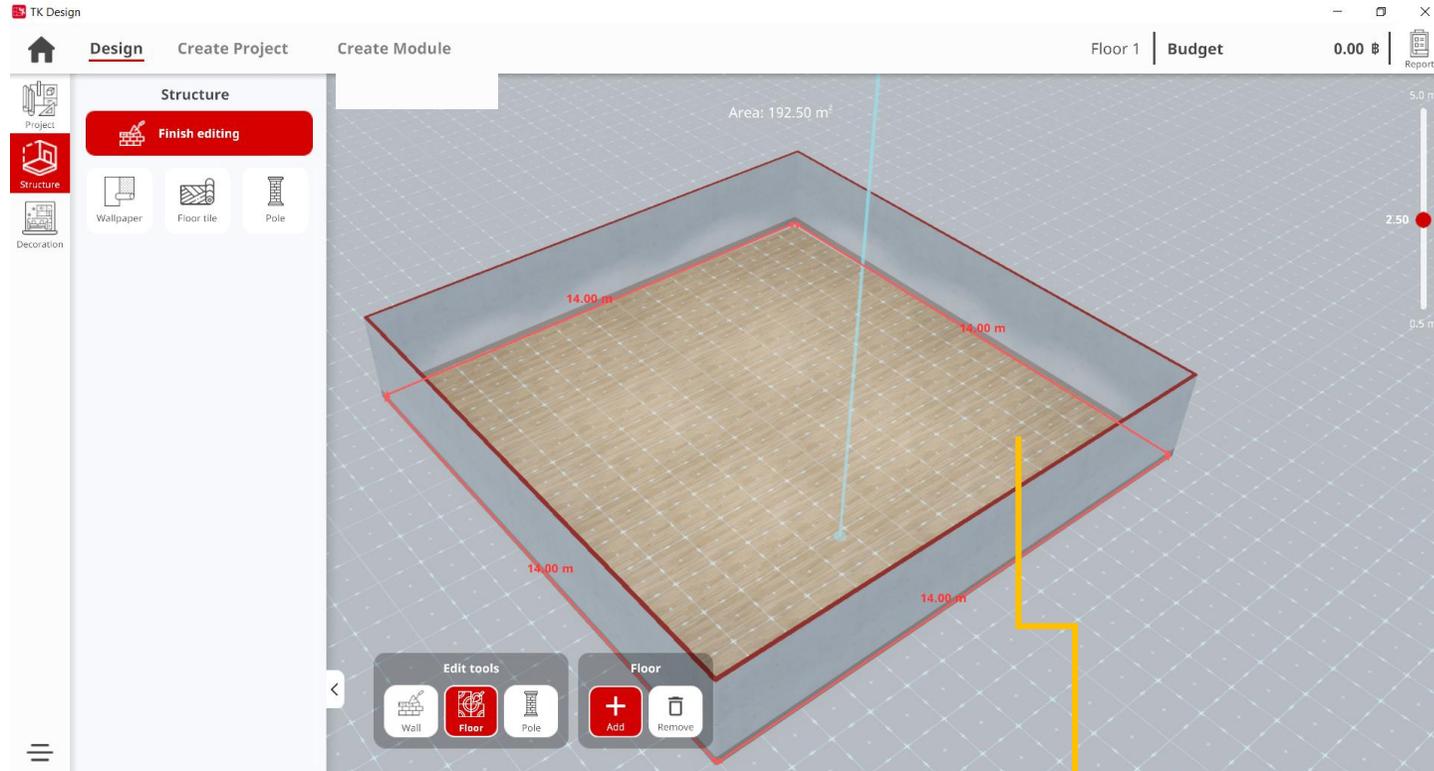
Add Floor

Display added floor

9.Managing Structure

Managing Structure : Edit Pole
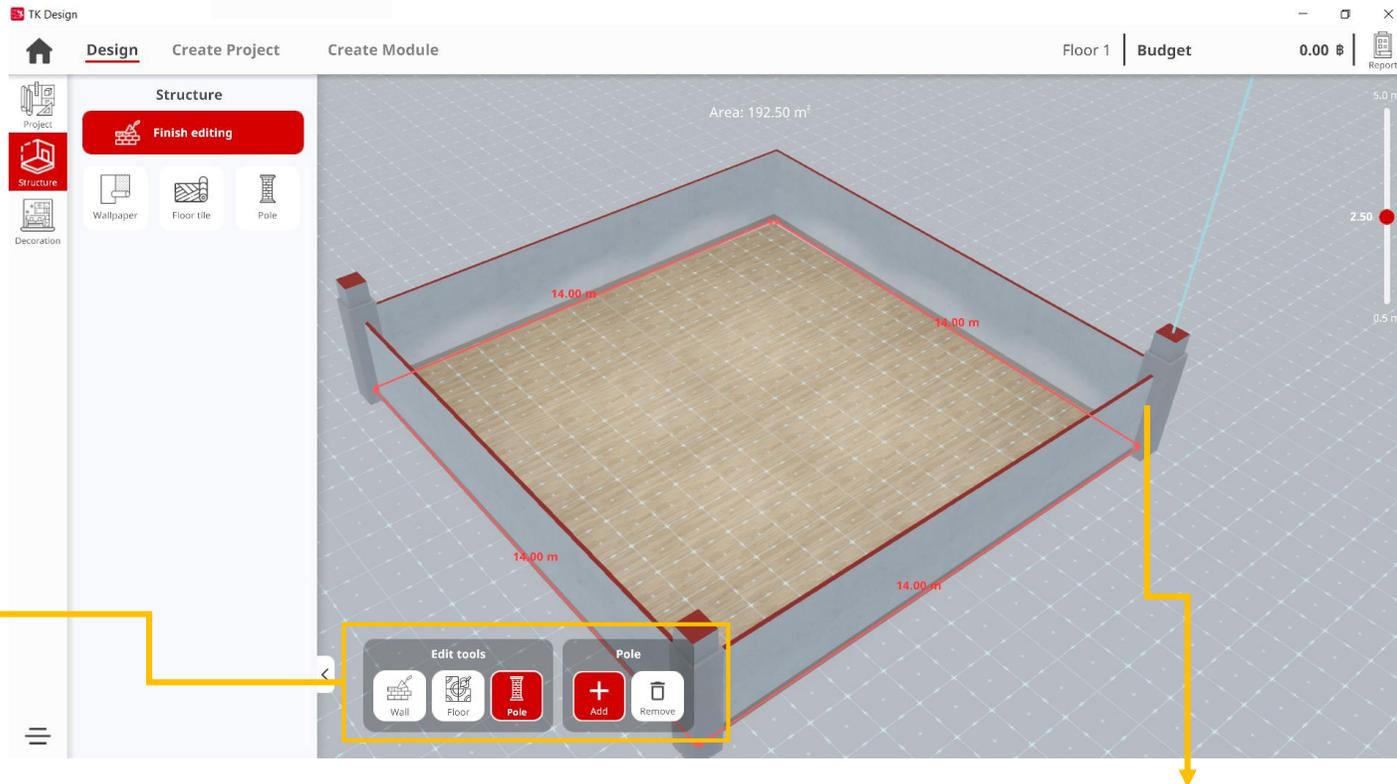
Editing Tools

Pole *(Add)*

Add Pole

Click on the area to add pole

Display added pole

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9.Managing Structure

Managing Structure : Edit Pole
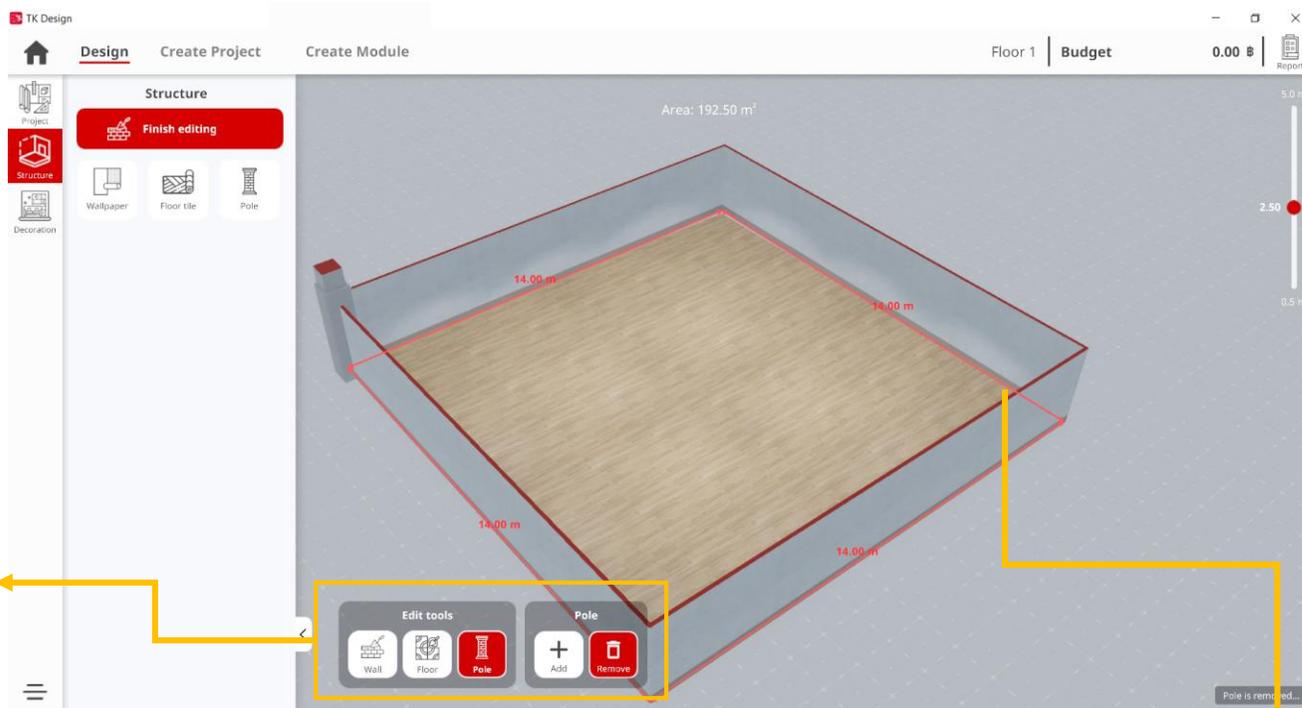
Editing Tools

Pole *(Delete)*

Delete Pole

Hover mouse over pole

Display the deleted pole

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9.Managing Structure

Managing Structure : Edit Wallpaper
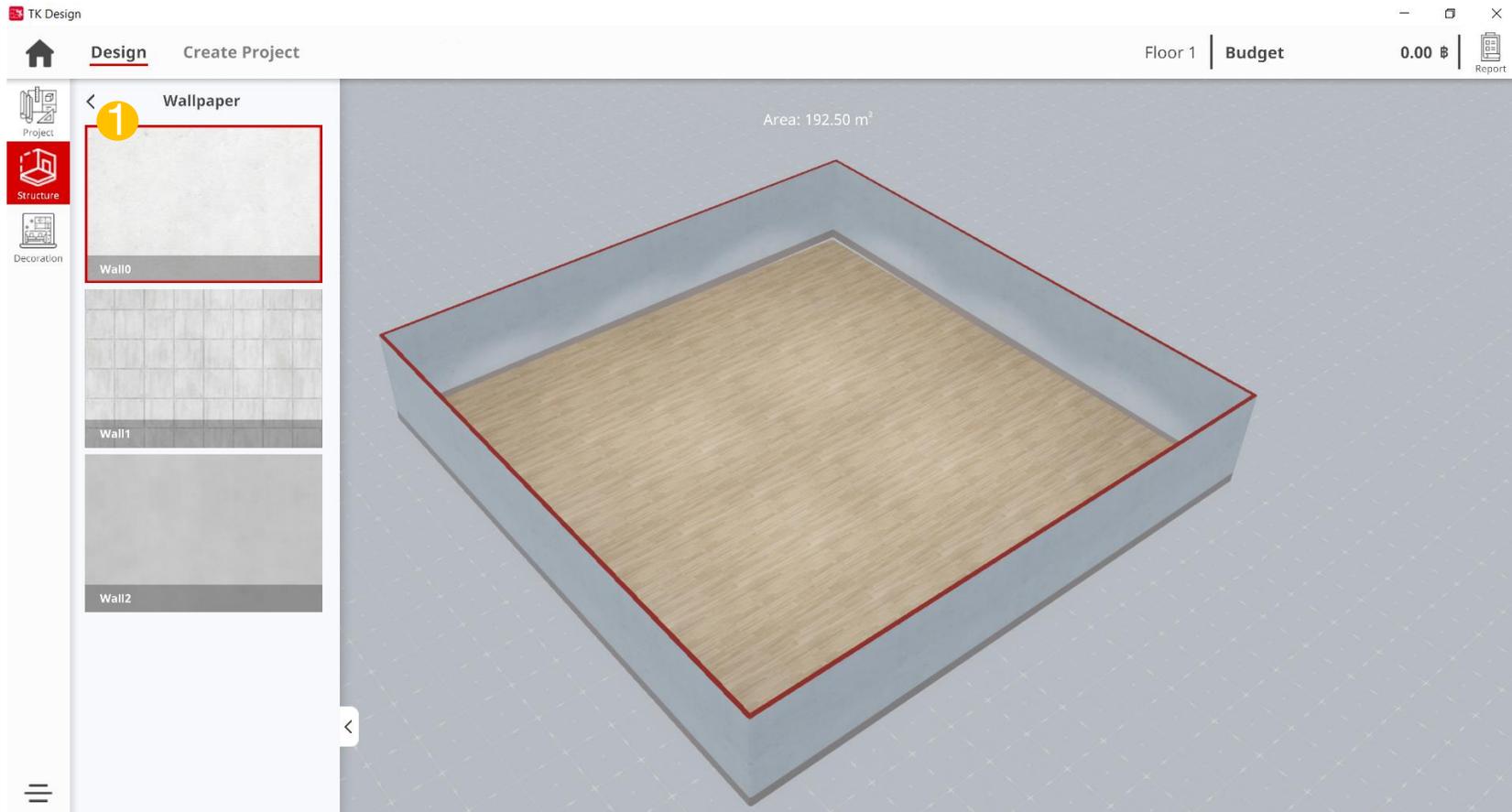
9.Managing Structure

Managing Structure : Edit Floor tile
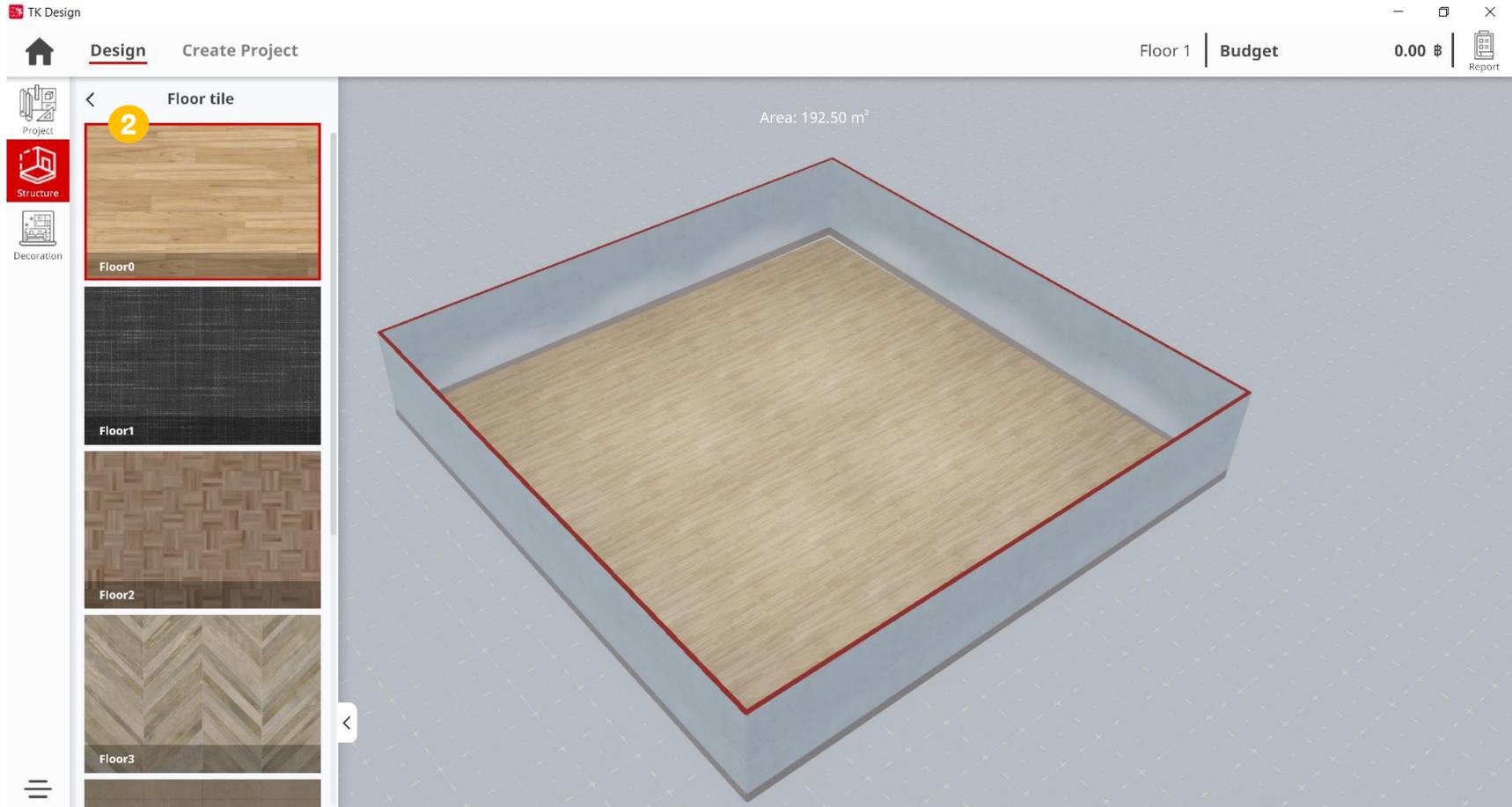
9.Managing Structure

Managing Structure : Edit Pole
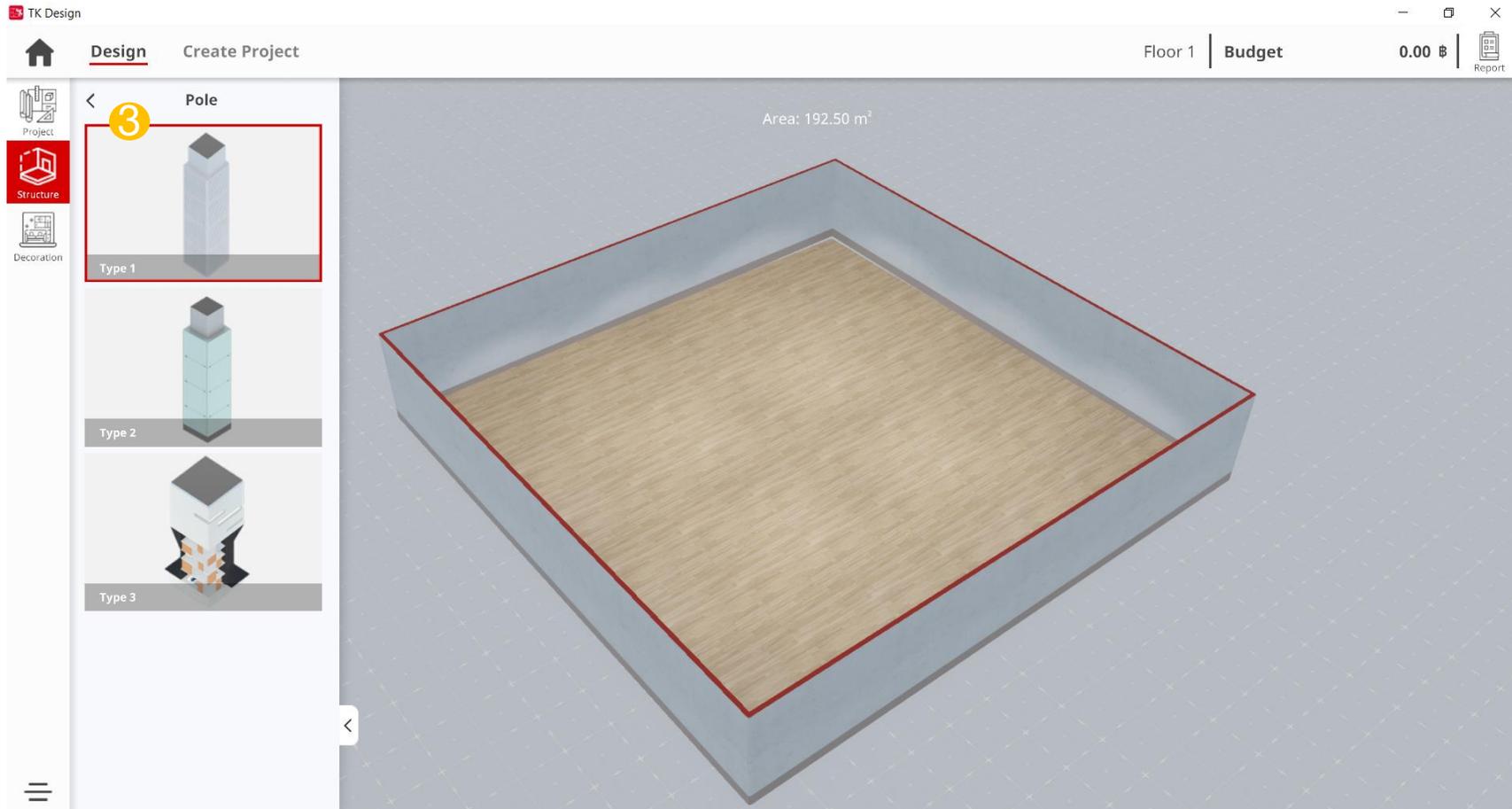
10.Design Project

Menu Panel

Project

Managing Building and Floors

Structure

Managing Project Structure

Decoration

Decorating Project
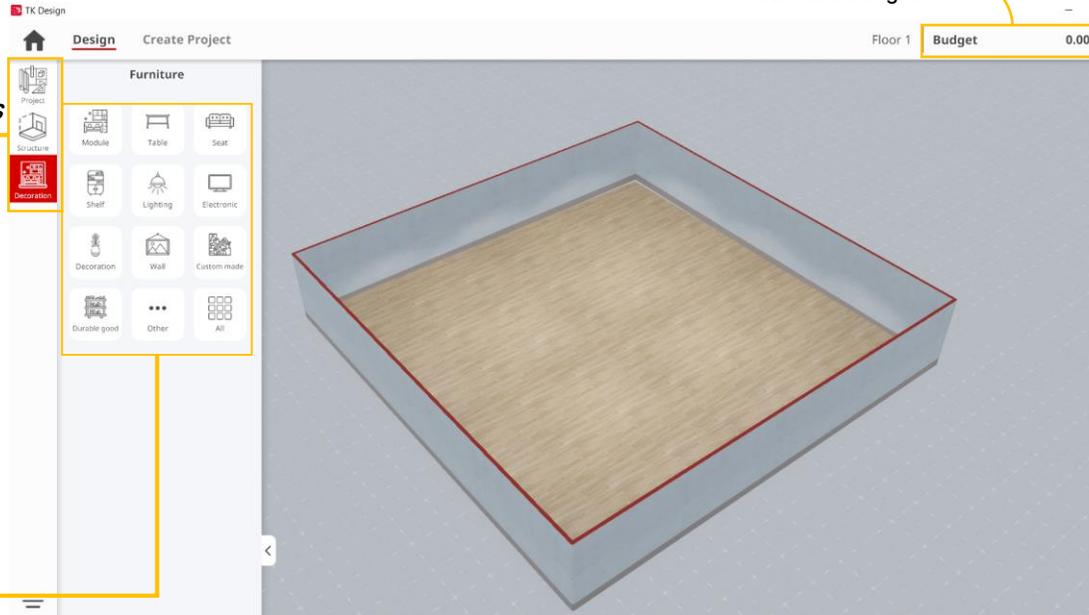
Furniture

Display furniture category.
Click to choose the
furniture.

Budget

Show estimated budget

TK Design

Design   Create Project

Floor 1   Budget   0.00 ฿

Furniture

Module   Table   Seat

Shelf   Lighting   Electronic

Decoration   Wall   Custom made

Durable good   Other   All

Menu Panel

Report

Click to see the
estimated budget for
the design

View Point

Click to add viewpoint

Hide View

Click to hide view

2D Plan

Click to see a 2D plan

Ceiling

Click to hide cieling

Wall

Click to hide walls

Screenshot

Click to screenshot

10.Design Project
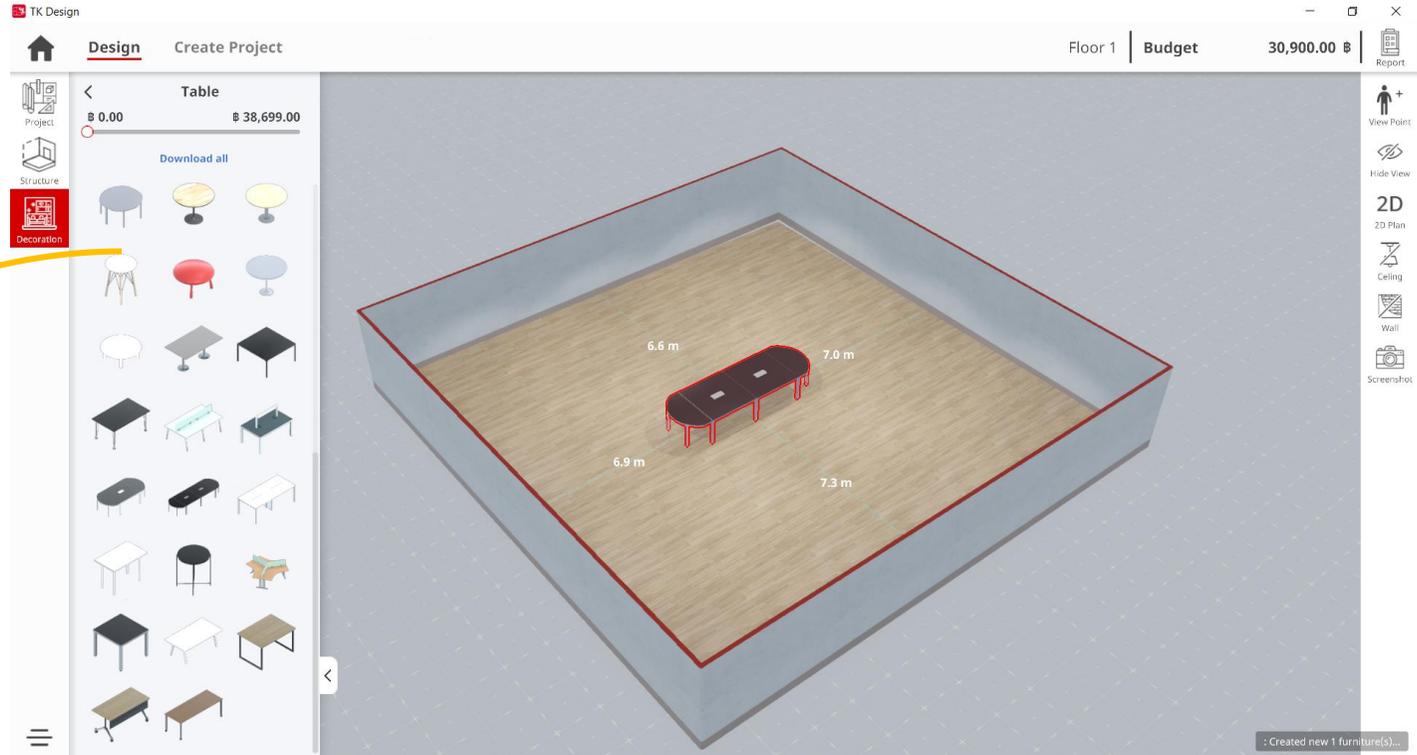
Furniture

Show list of furniture.

Choose and drag

the furniture to the room

at the right to decorate.

10.Design Project
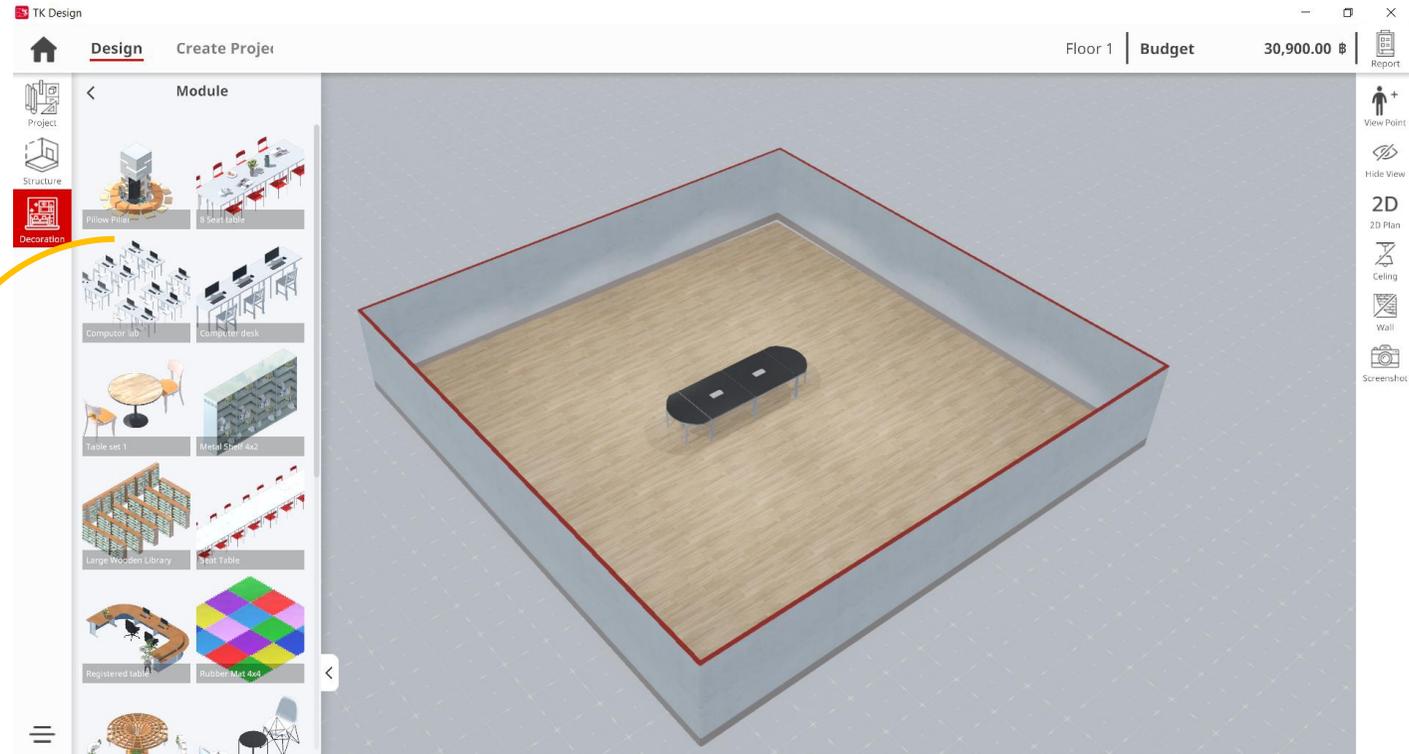
Furniture Sets

Show list of furniture sets.

Choose and drag the

furniture to the room

at the right to decorate.

11.Exporting a Report

Floor

Name of the Floor

Budget

Show the budget of the project

Report

Click to estimate the initial budget and choose to export a report in the following formats :
- CSV
- Excel

Excel

Click to export an initial budget estimation report in Excel format.

CSV

Click to export an initial budget estimation report in CSV format.

11.Exporting a Report

11.1 Exporting a Report in Excel Format

11.Exporting a Report

11.2 Exporting a Report in CSV Format

11.Exporting a Report

11.3 How to set up CSV file to display Thai language (in case the file cannot read Thai input language)

11.Exporting a Report

11.3 How to set up CSV file to display Thai language (in case the file cannot read Thai input language)
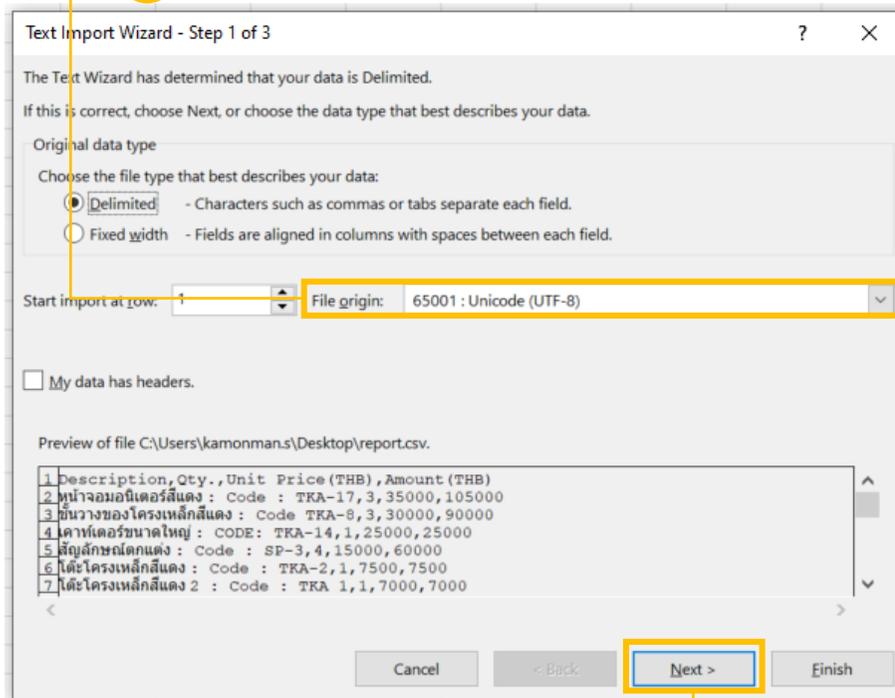
2 Choose From Text   1 Choose Data

3 Choose the CSV file

11.Exporting a Report

11.3 How to set up CSV file to display Thai language (in case the file cannot read Thai input language)

4 Change File Origin to Unicode (UTF-8)

5 Click Next

6 Choose Tab and Comma
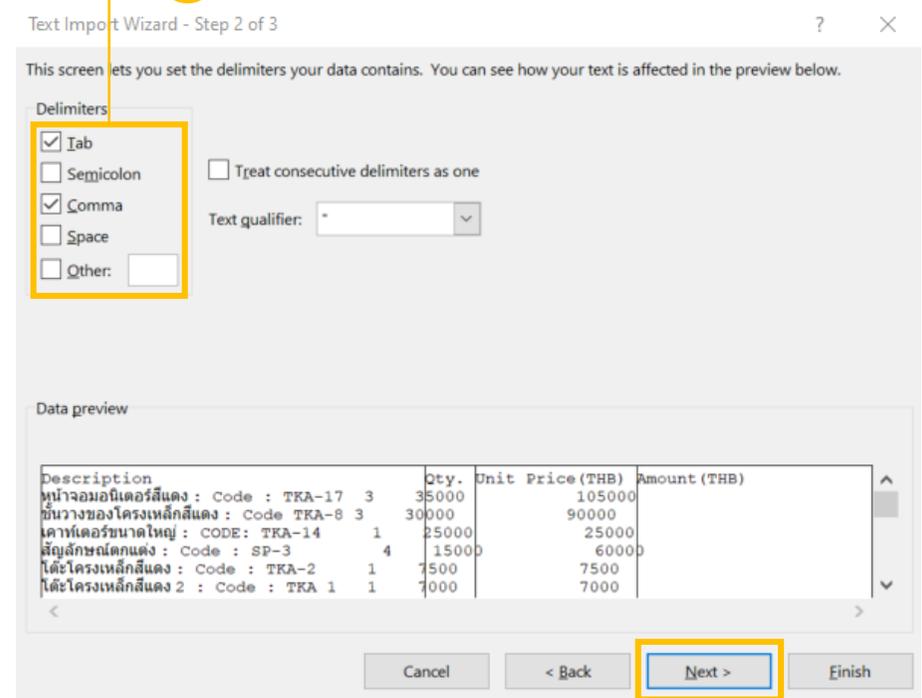
7 Click Next

11.Exporting a Report

11.3 How to set up CSV file to display Thai language (in case the file cannot read Thai input language)

Text Import Wizard - Step 3 of 3

This screen lets you select each column and set the Data Format.

Column data format
- ⦿ General
- ◯ Text
- ◯ Date: DMY
- ◯ Do not import column (skip)

'General' converts numeric values to numbers, date values to dates, and all remaining values to text.

Advanced...

Data preview

General			GenerGeneral	General
Description			Qty. Unit Price(THB)	Amount(THB)
หน้าจอมอนิเตอร์สีแดง : Code : TKA-17	3		35000	105000
ชั้นวางของโครงเหล็กสีแดง : Code TKA-8	3		30000	90000
เคาท์เตอร์ขนาดใหญ่ : CODE: TKA-14	1		25000	25000
สัญลักษณ์ตกแต่ง : Code : SP-3	4		1500	6000
โต๊ะโครงเหล็กสีแดง : Code : TKA-2	1		7500	7500
โต๊ะโครงเหล็กสีแดง 2 : Code : TKA 1	1		7000	7000

Cancel   < Back   Next >   Finish

Import Data

Where do you want to put the data?
- ⦿ Existing worksheet:
  =A1
- ◯ New worksheet
- ☐ Add this data to the Data Model

Properties...   OK   Cancel

9 Choose the data field

10 Click OK

8 Click Finish

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11.Exporting a Report

11.3 How to set up CSV file to display Thai language (in case the file cannot read Thai input language)

File that cannot read Thai

input language

The CSV file that display Thai

input language

12.Project Viewing

12.1 View the Project in Virtual Reality Mode (VR)

View

Click to view the project in virtual reality mode (VR)

Hide View

Click to hide view

Choose View Point

Click to choose a view point to view the project in virtual reality mode (VR)

Enter Viewpoint

Click enter viewpoint to view the project in virtual reality mode (VR)

12.Project Viewing

12.1 View the Project in Virtual Reality Mode (VR)

Exit the Preview

Press ESC on the keyboard

to exit the viewpoint
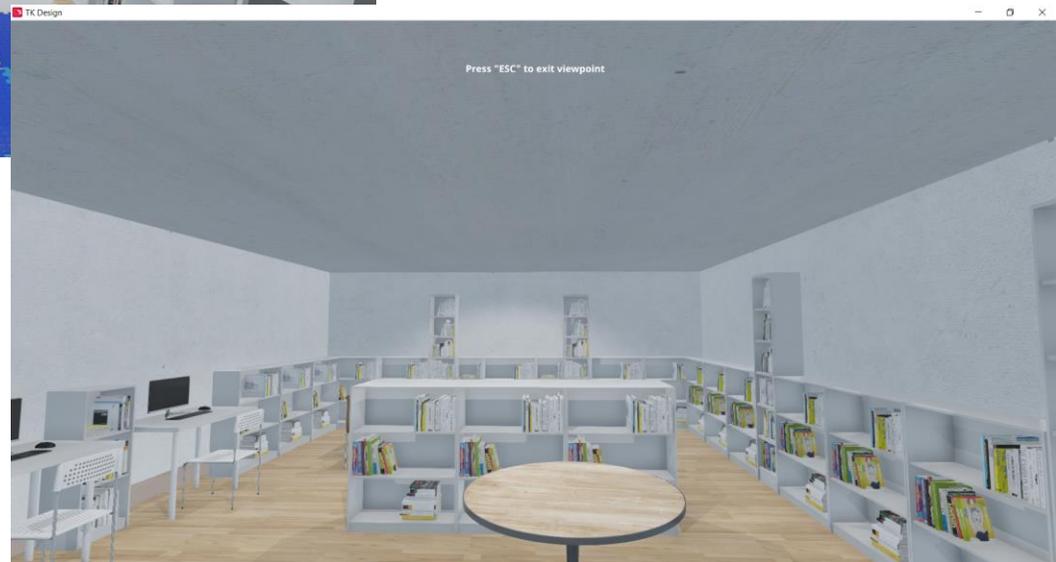
12.Project Viewing

12.2 View the Project in 2D Mode

2D Plan

Click to view project in 2D plan

12.Project Viewing

12.2 View the Project in 2D Mode
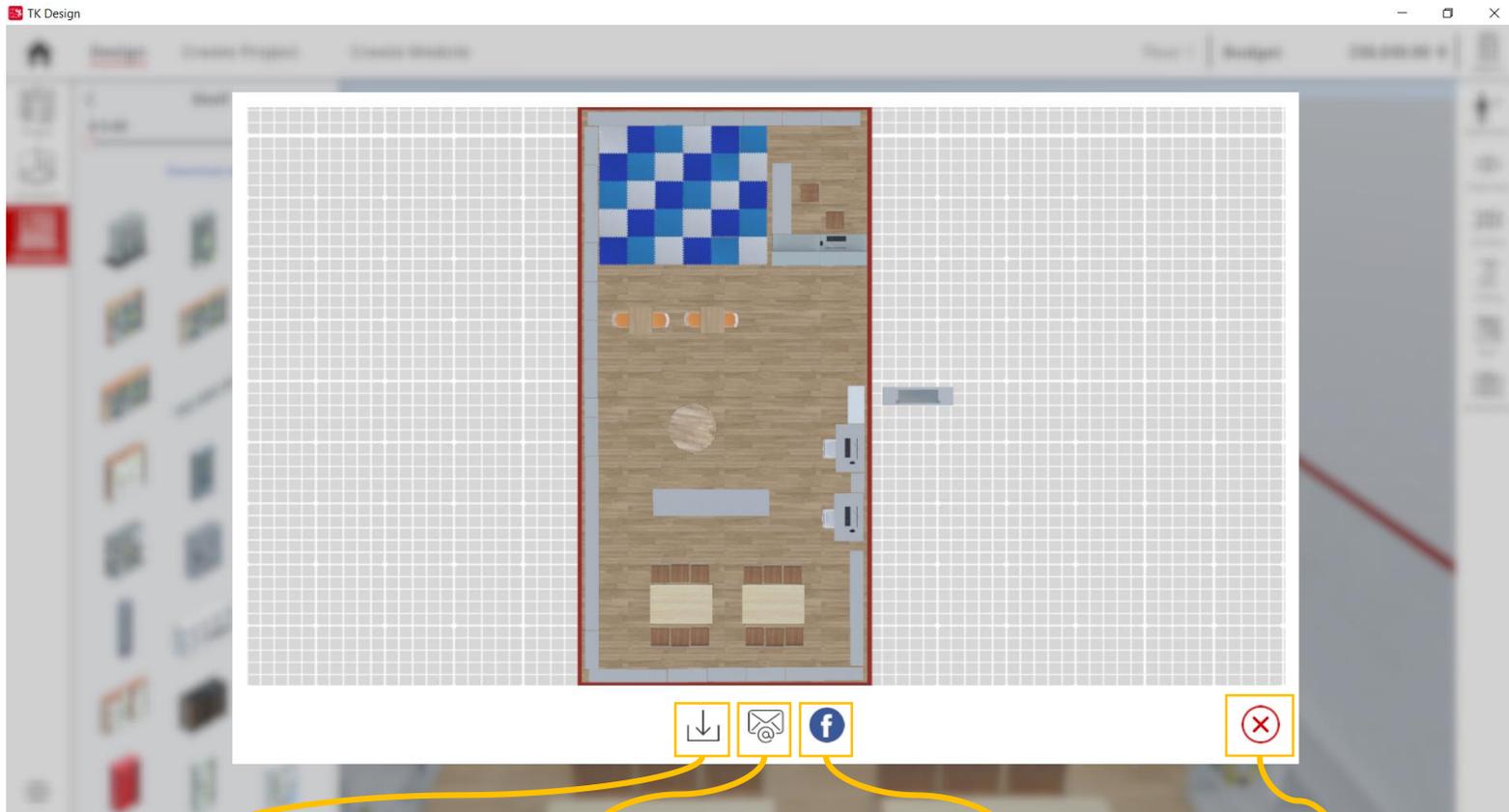
Save to Computer

Click to save photo to computer

Email

Click to send photo

Social Media

Click to share photo to
social media ; ex. Facebook

Close

Click to exit 2D Mode

12.Project Viewing

12.3 Hiding Ceiling and Walls

Ceiling

Click to show or hide ceiling

Wall

Click to show or hide walls

13.Screenshot

Save Photo

Click to save a project photo

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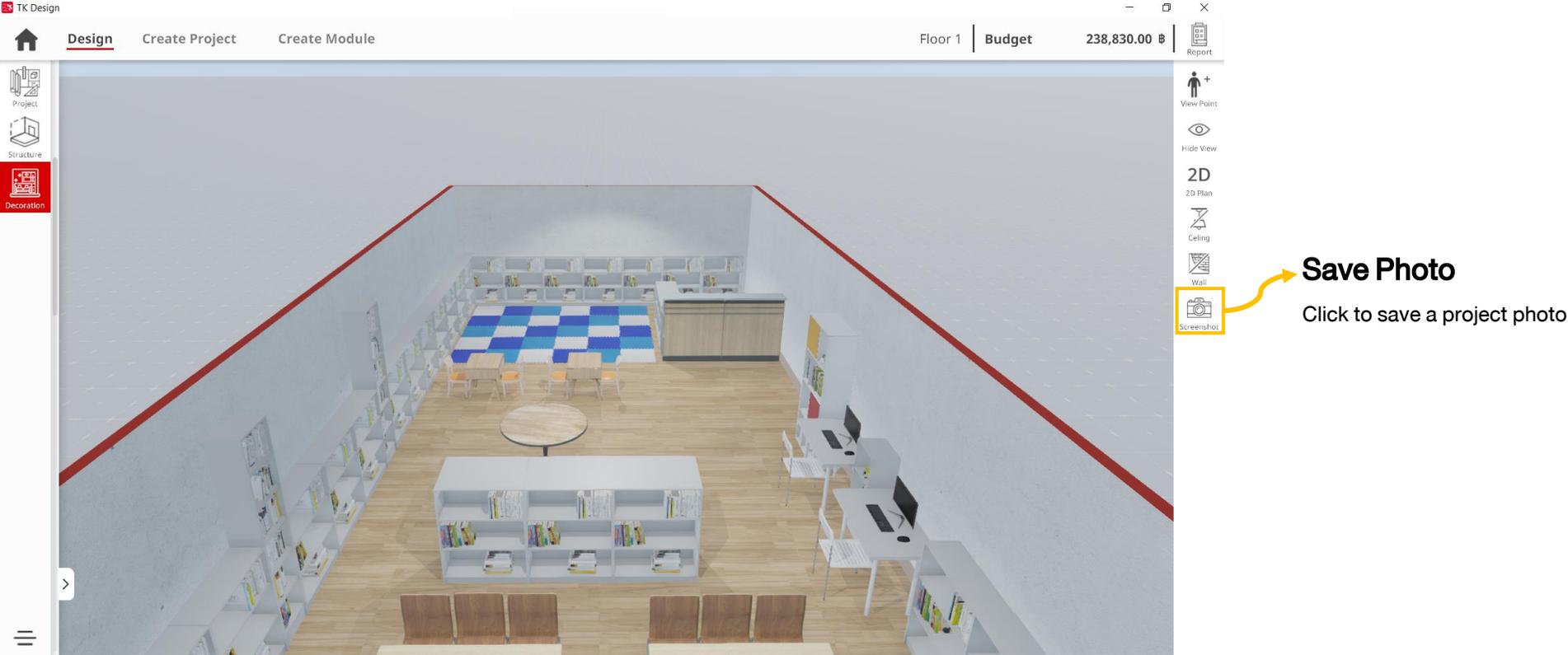
13.Screenshot
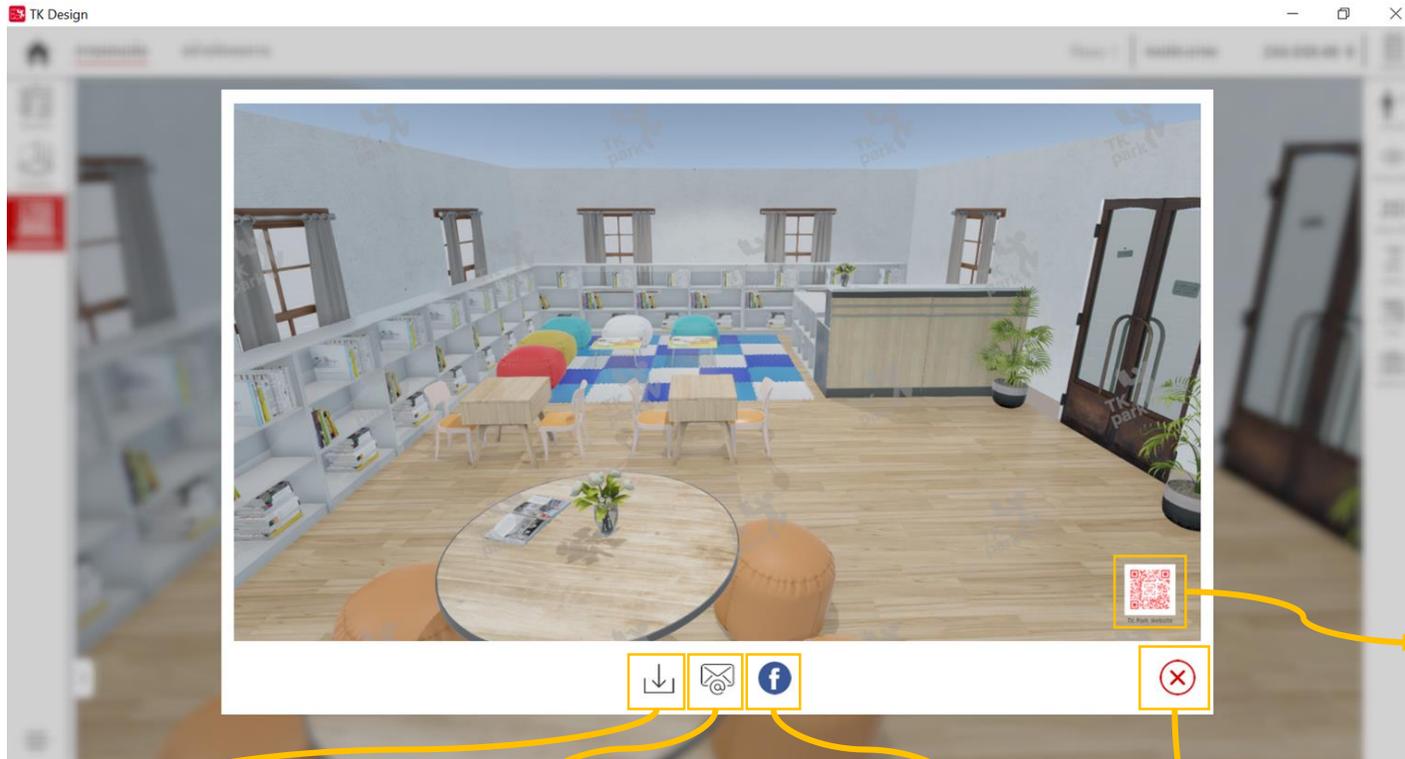
QR Code

Scan to link to
vr.tkpark.or.th
Project Introduction

Save to Computer

Click to save photo to
computer

Email

Send photo to email

Social Network

Click to share photo to
social media; ex. Facebook

Close

Click to exit screen
recording

13.Screenshot

Display the screenshot

14. Managing Furniture

Managing Furniture Can manage the furniture set by choosing "Furniture"
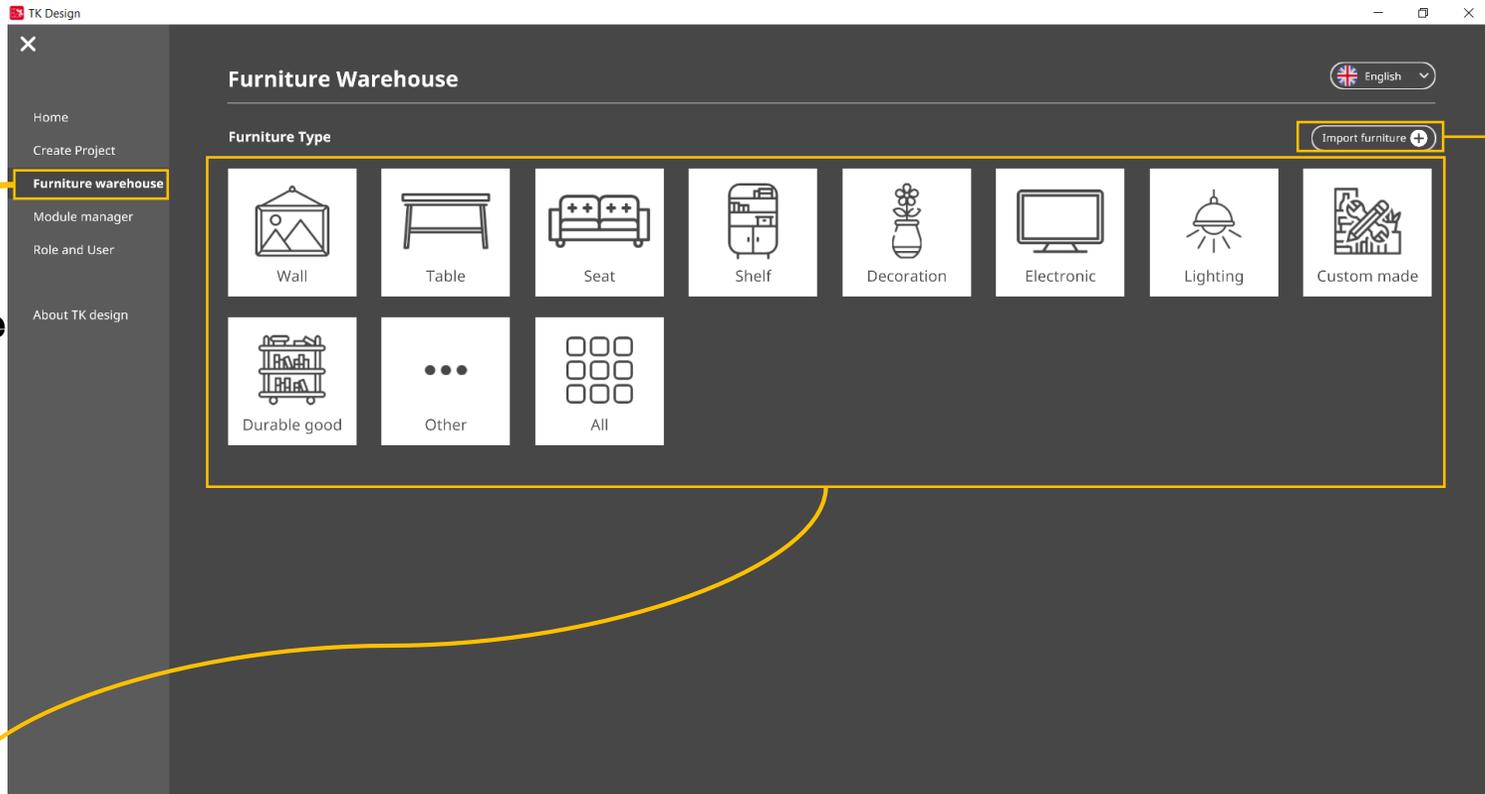
Furniture warehouse

Manage furniture in the system: add, delete, edit

Categories of Furniture

Displaying categories of furniture.

Click to see lists of furniture on each category

Import Furniture

Click to add a furniture

14. Managing Furniture

Lists of Furniture
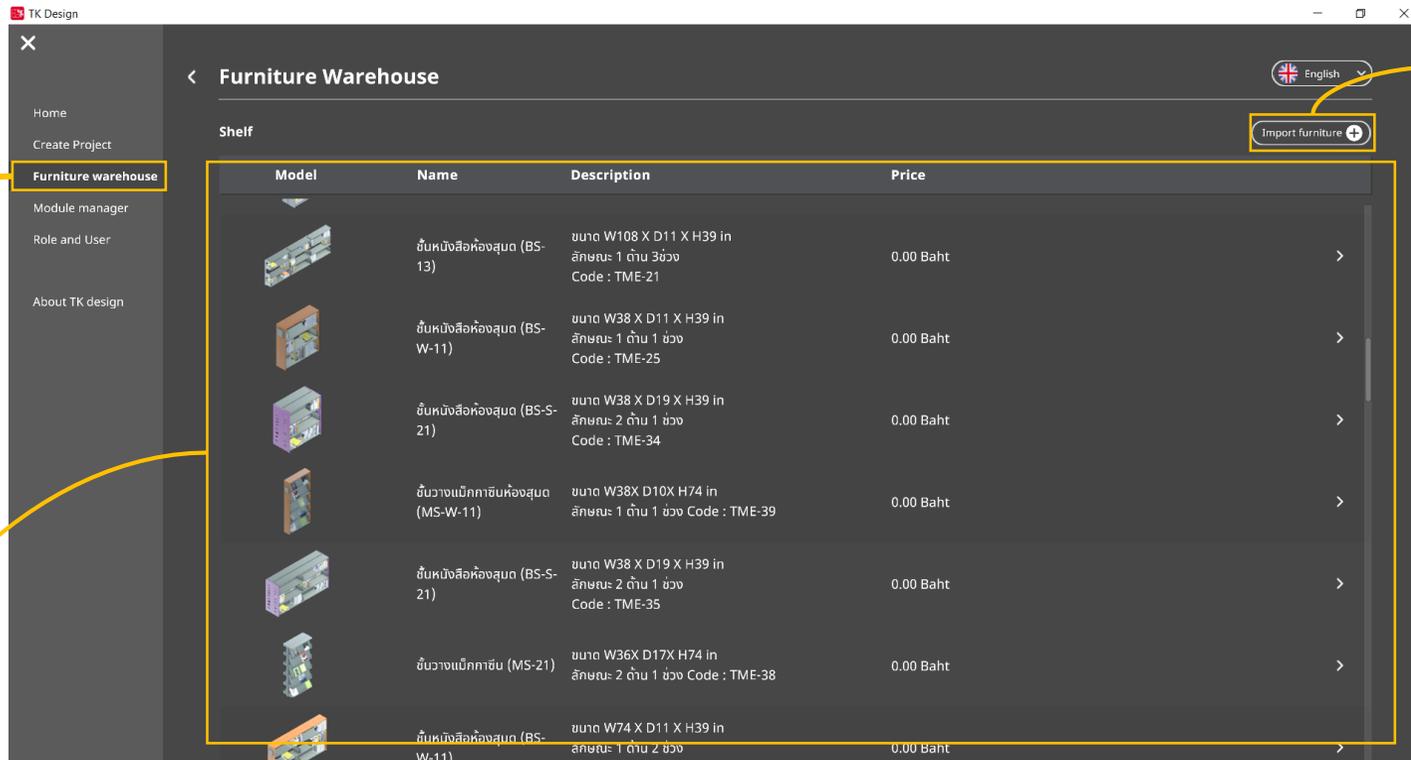
Furniture warehouse

Manage furniture in the system: add, delete, edit

Add Furniture

Click to add a furniture

Lists of Furniture

Displaying lists of furniture

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14. Managing Furniture

Import New Furniture
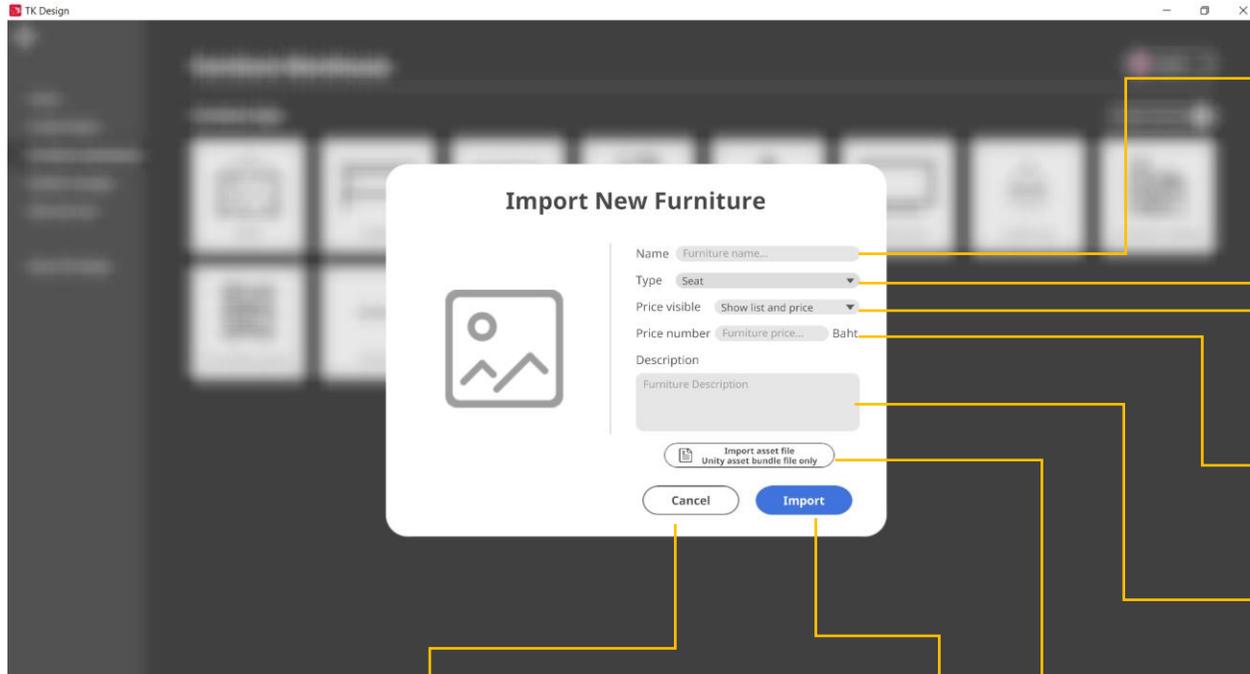
Name

Fill in the name of the furniture

Category

Choose the category of the furniture

Price visible

Choose how the price will be displayed in the system

Price

Fill in the price of the furniture

Details

Fill in the details of the furniture

Cancel

Cancel the addition of the furniture

Import

Confirm the addition of the furniture

Import Model File

Coose furniture's model file in Unity asset bundle format only which insists of model file in FBX or OBJ format and photo file in (Texture) PNG format

14. Managing Furniture

Editing Furniture
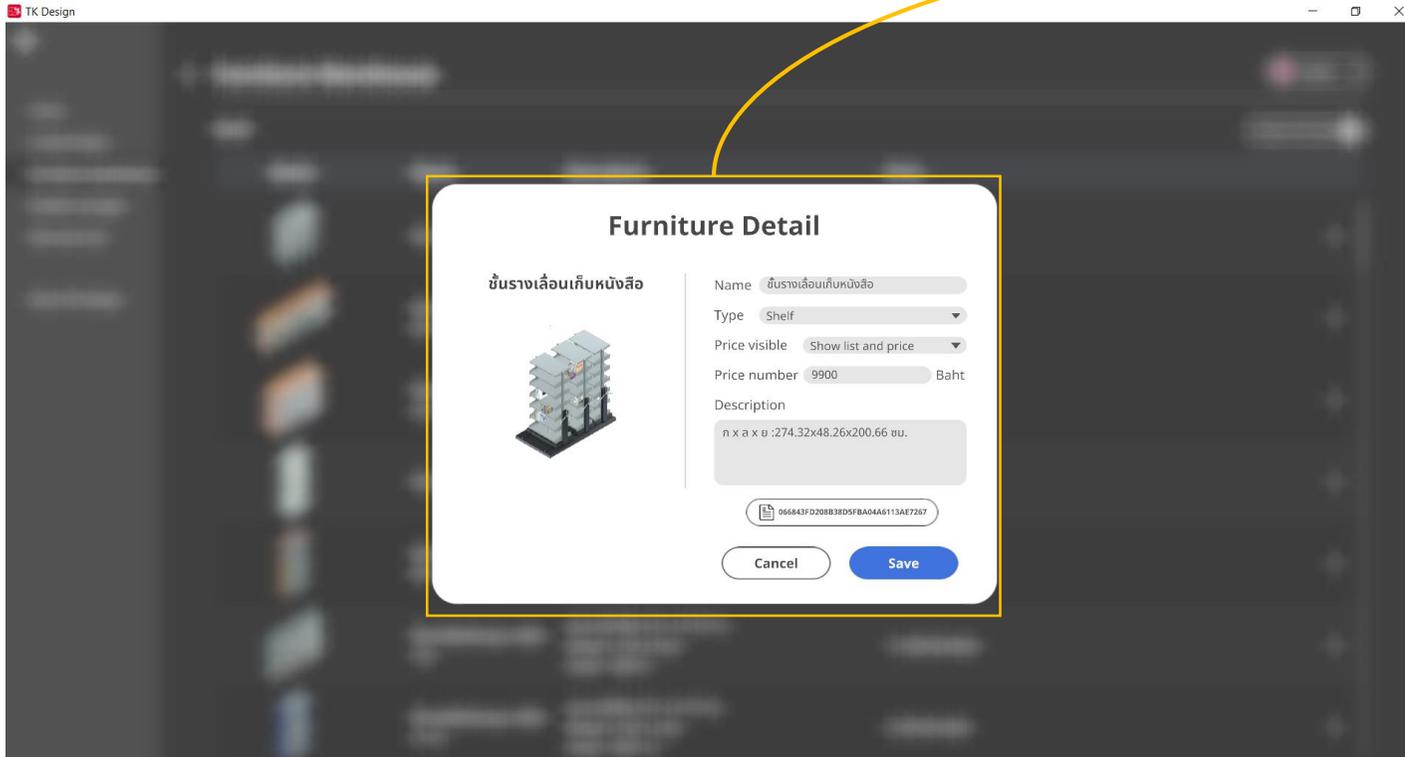
Edit Furniture

Click on a furniture to display details
of the furniture

Can edit details of the furniture, such as,
Type, price visible, price, description,
model file

When done editing:
Click Save to save the editing
Click Cancel to cancel the editing

14. Managing Furniture

Deleting Furniture

Remove Furniture

Right-click on the furniture to remove

15.Managing Furniture Set

Managing Furniture Set **Can manage the furniture set by choosing "Modules"**

Modules

Manage furniture set in the system: add, delete, edit

Lists of Furniture Set

Displaying lists of furniture set
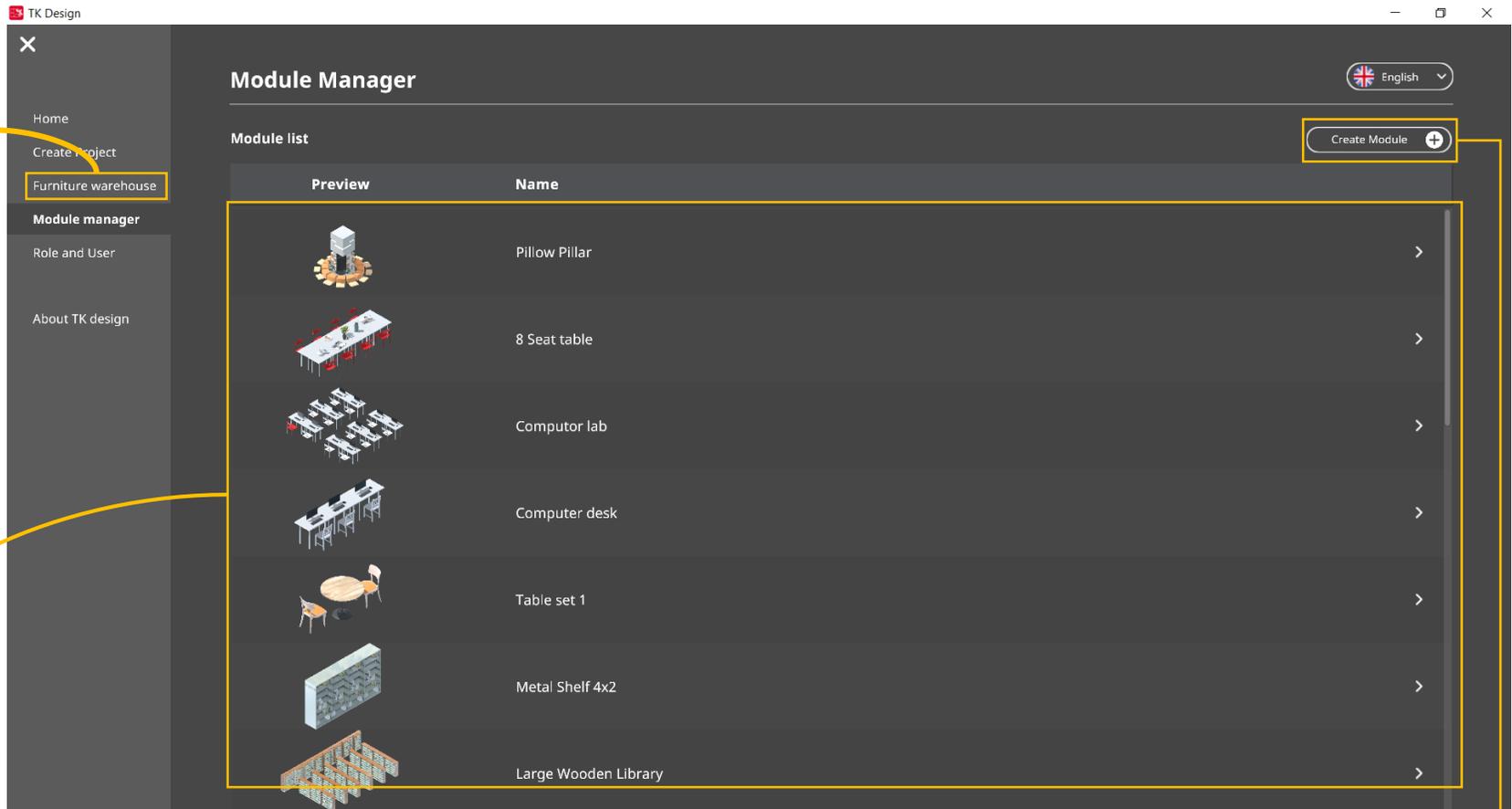
Create Module

Click to create module

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15.Managing Furniture Set

Creating Furniture Set
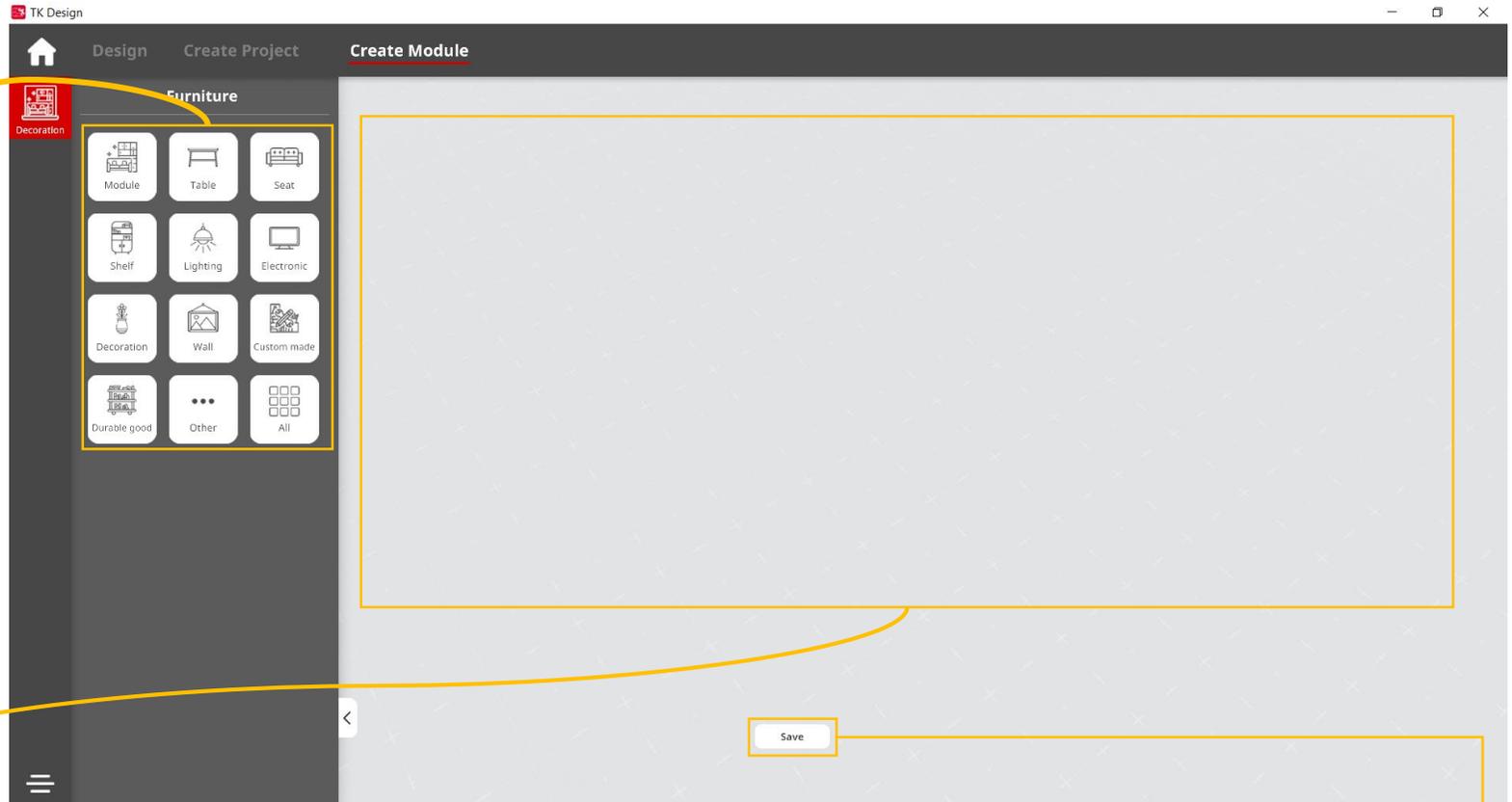
Lists of Furniture

Choose furniture from the list
to create a furniture set

Creating Area

Put a furniture in the creating area
to create a furniture set

Save

Save the created furniture set

15.Managing Furniture Set

Creating Furniture Set
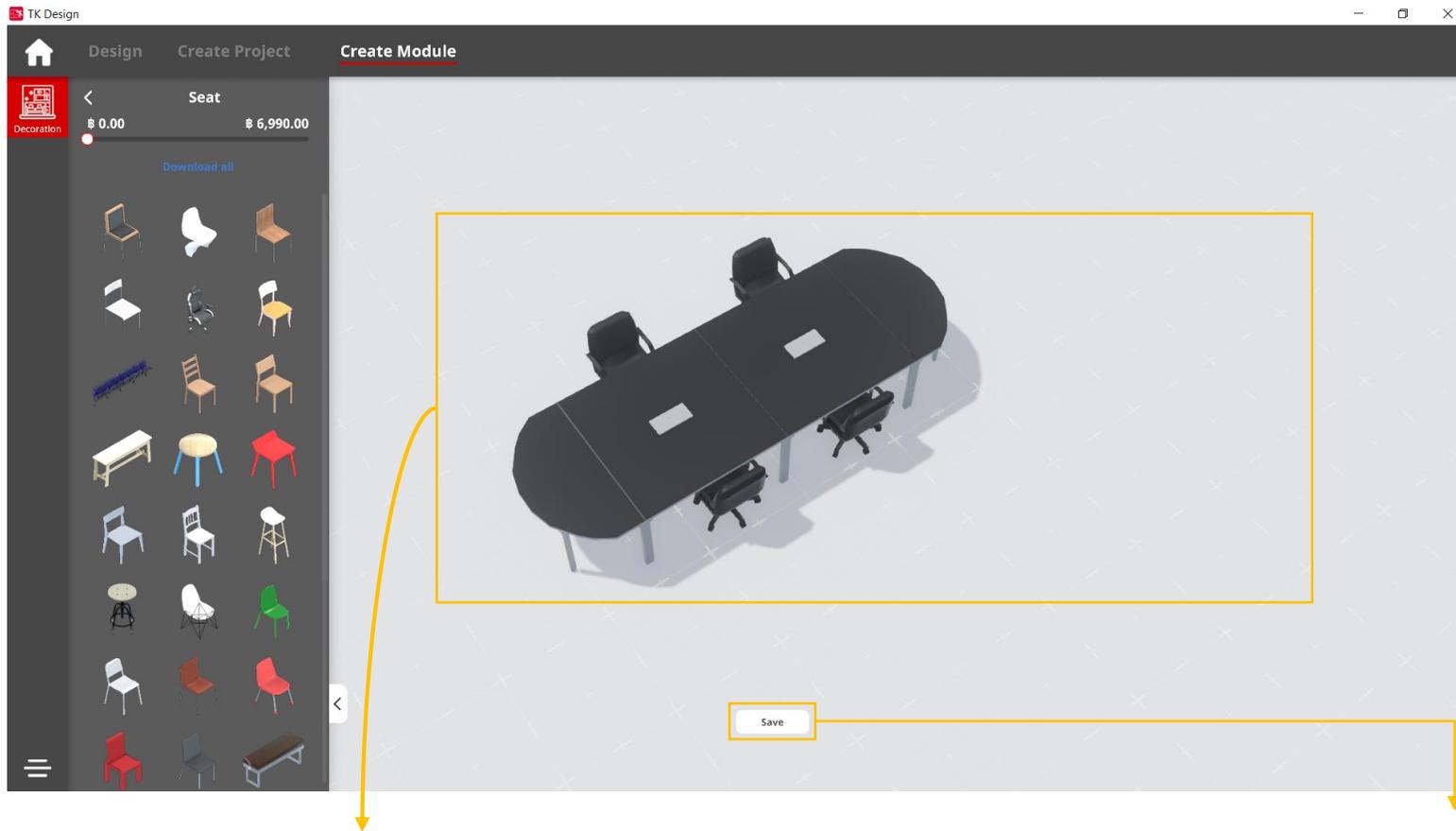
Display Furniture Set

Displaying the example of a furniture set

Save

Save the created furniture set

15.Managing Furniture Set

Creating Furniture Set
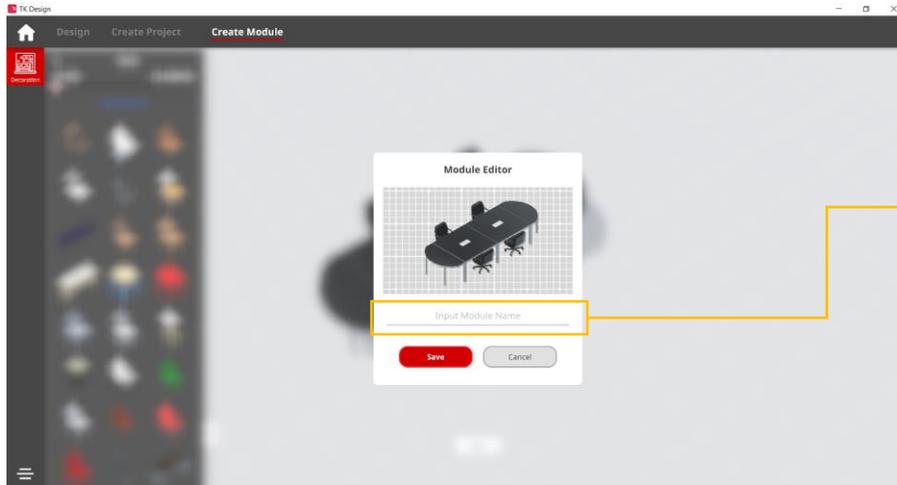
Furniture Set's Name

Input the name for the furniture set
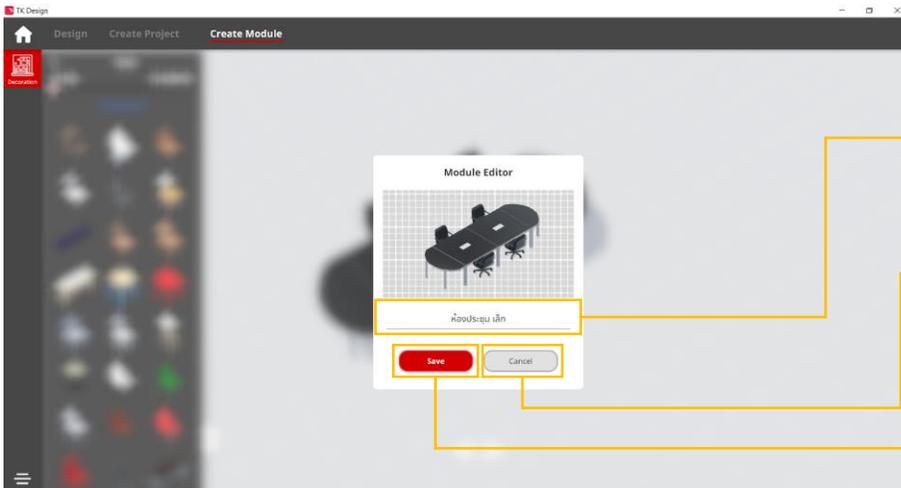
Furniture Set's Name

Displaying furniture set's name

Cancel

Cancel the creation of the furniture set

Save

Save the created furniture set

15.Managing Furniture Set

Editing Furniture Set
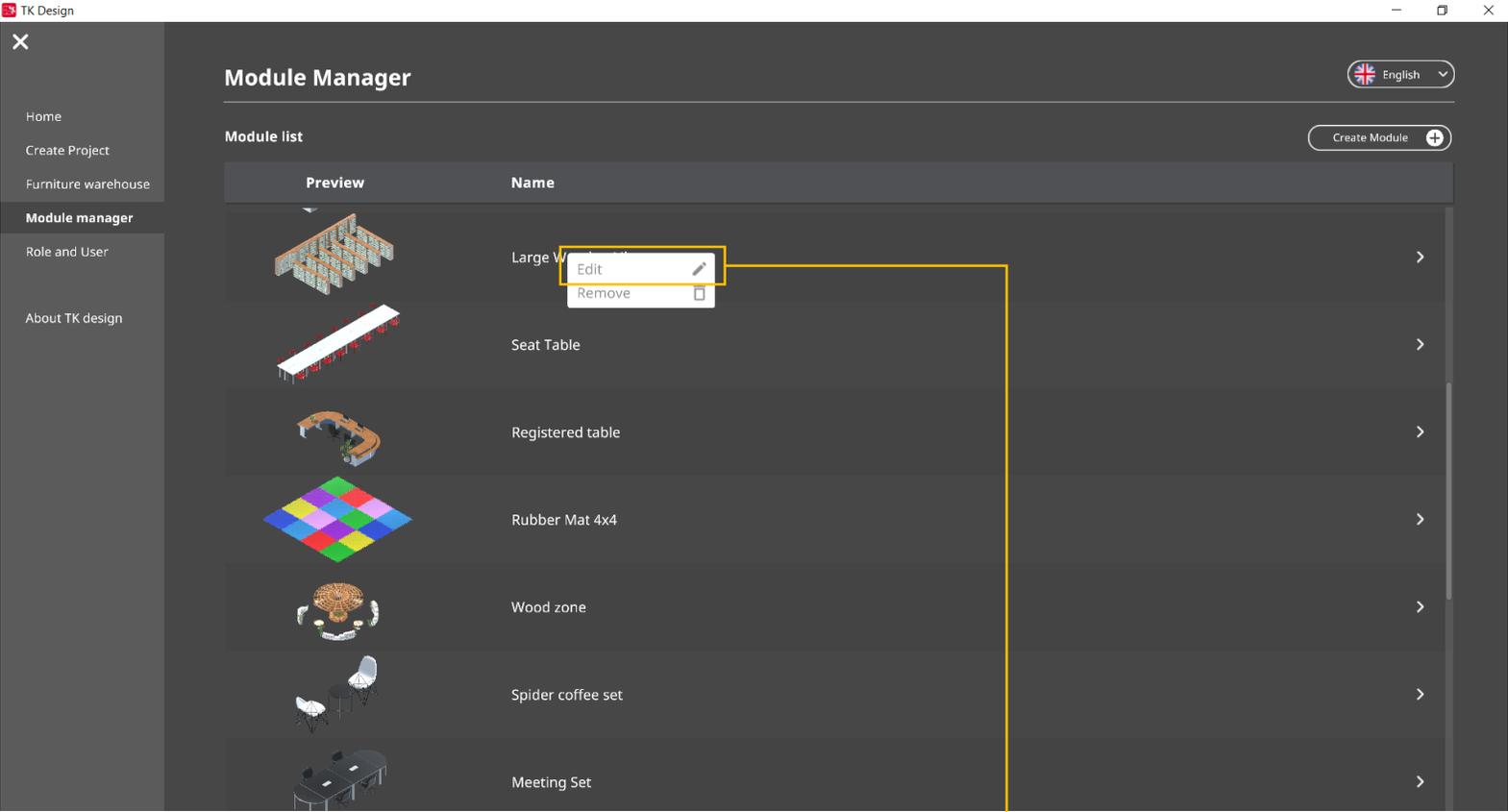
Edit

Right-click on the firniture set to edit

15.Managing Furniture Set

Editing Furniture Set
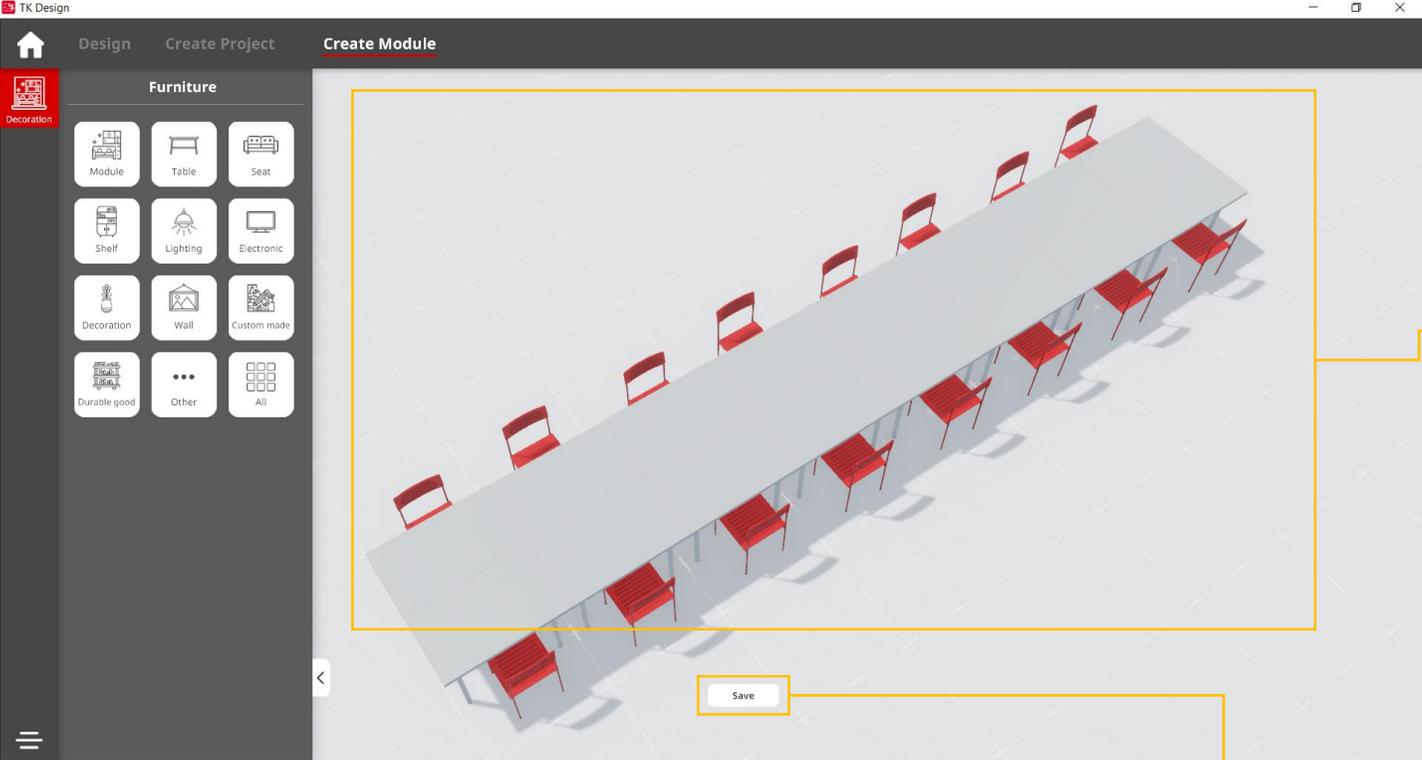
Edit

Edit, add, delete furniture from furniture set

Save

Click to save the edited furniture set

15.Managing Furniture Set

Deleting Furniture Set

Delete

delete furniture set

15.Managing Furniture Set

Deleting Furniture Set

Do you want to remove this module?

Yes

No
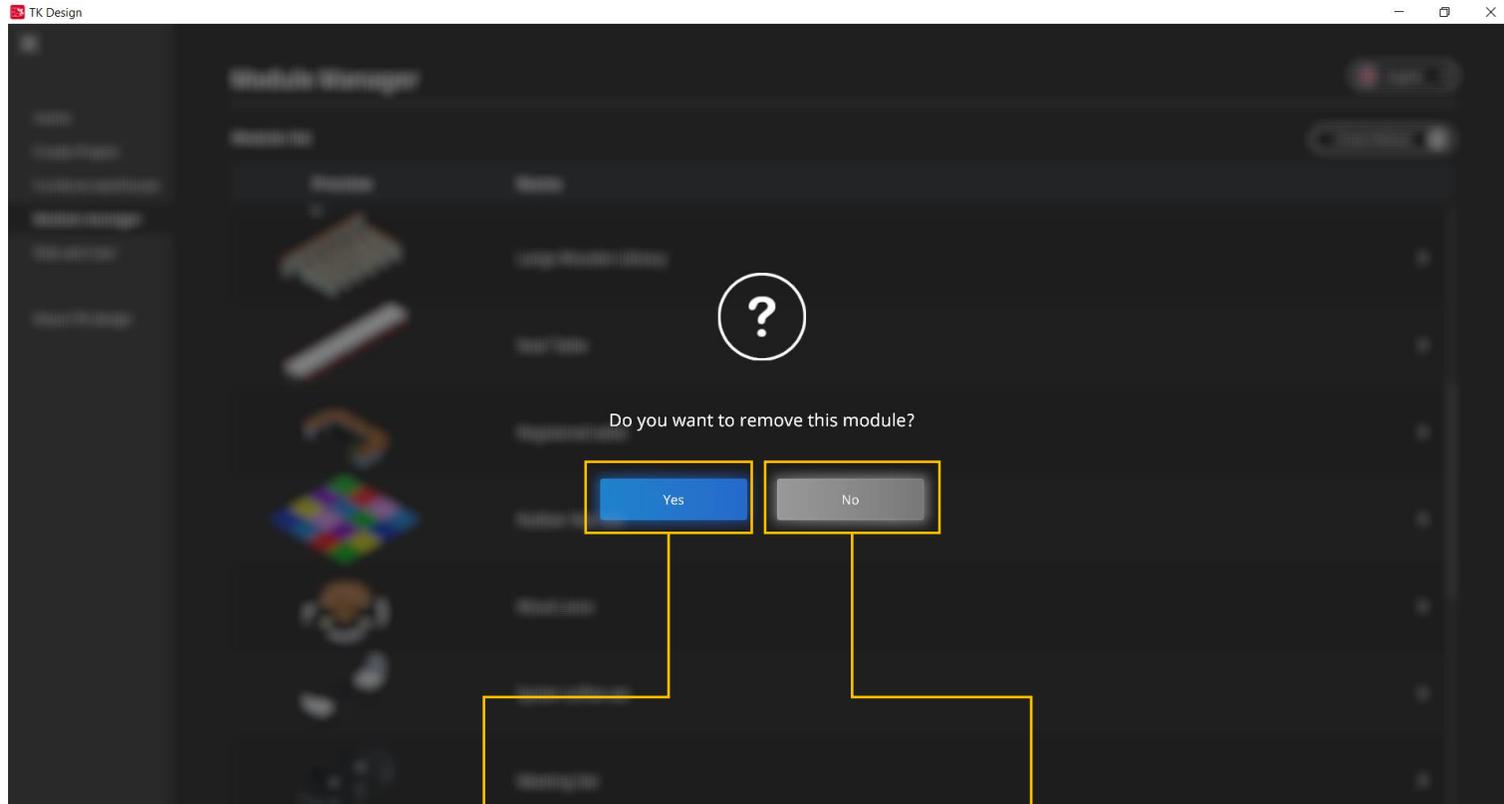
Yes

Confirm the deletion of Module

No

Cancel the deletion of Module

16.Role and Users

Types of Roles and Users
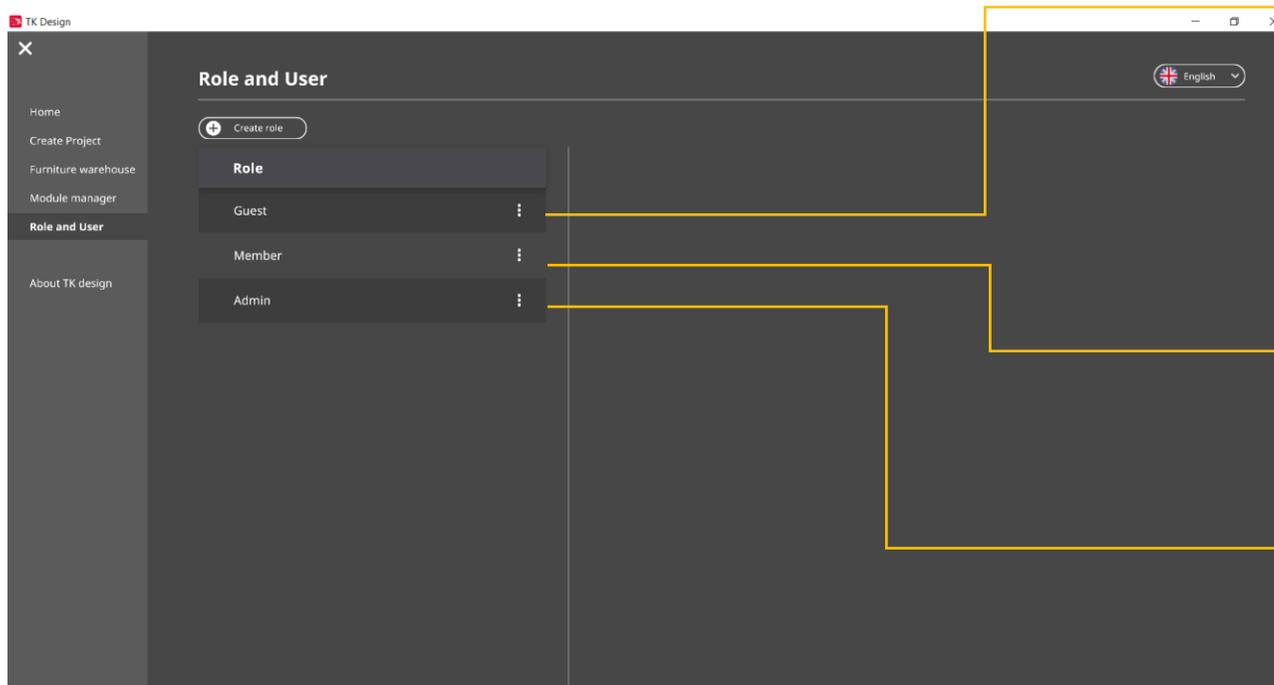
Admin

Role to manage the system:

– Managing Project

– Managing Furniture

– Managing Furniture Set

– Managing Roles and Users

Guest

Role to manage the system:

– Managing Project

Member

Role to manage the system:

– Managing Project

– Managing Furniture Set

66

16.Role and Users

Create Role

Create Role

Can add role to the system
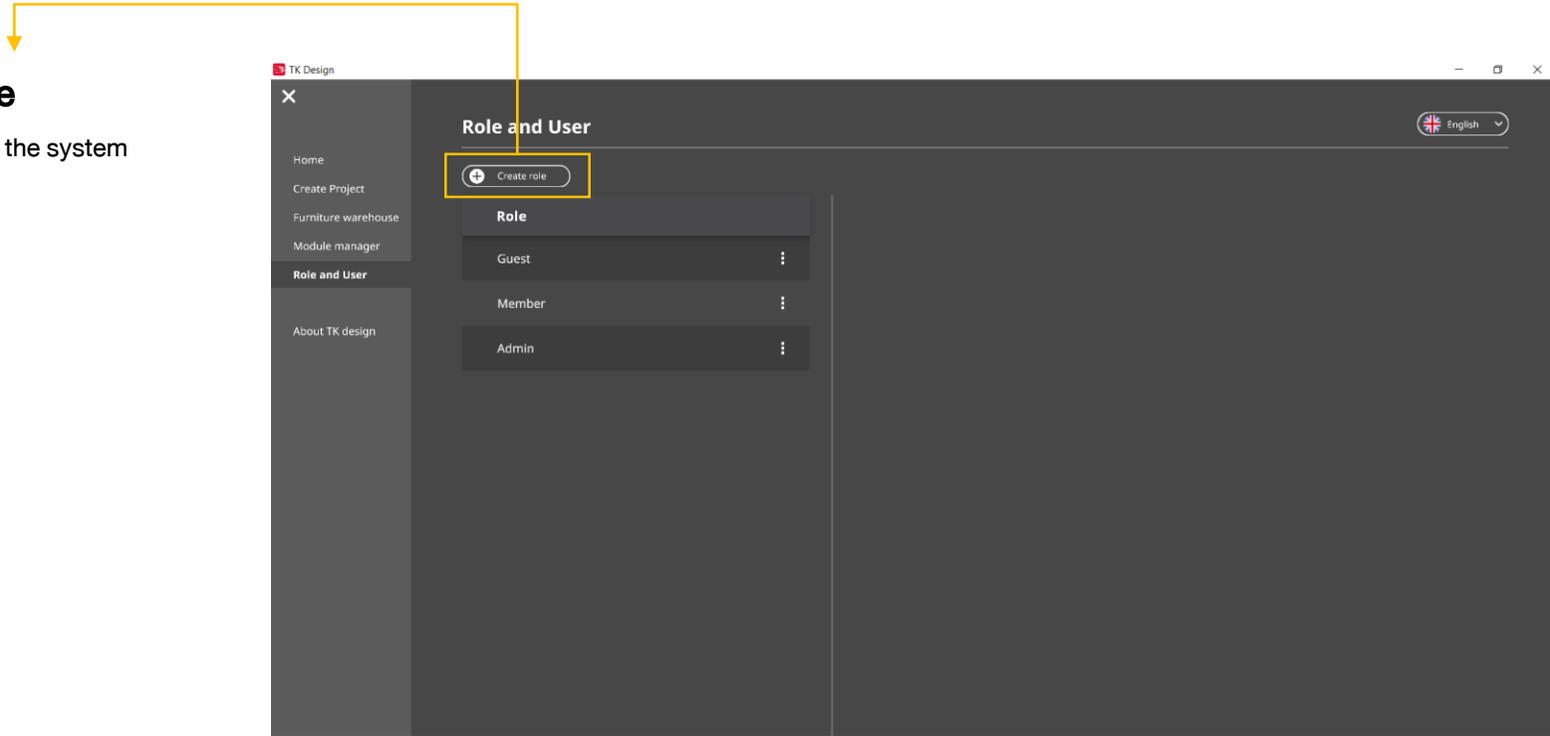
16.Role and Users

Create Role
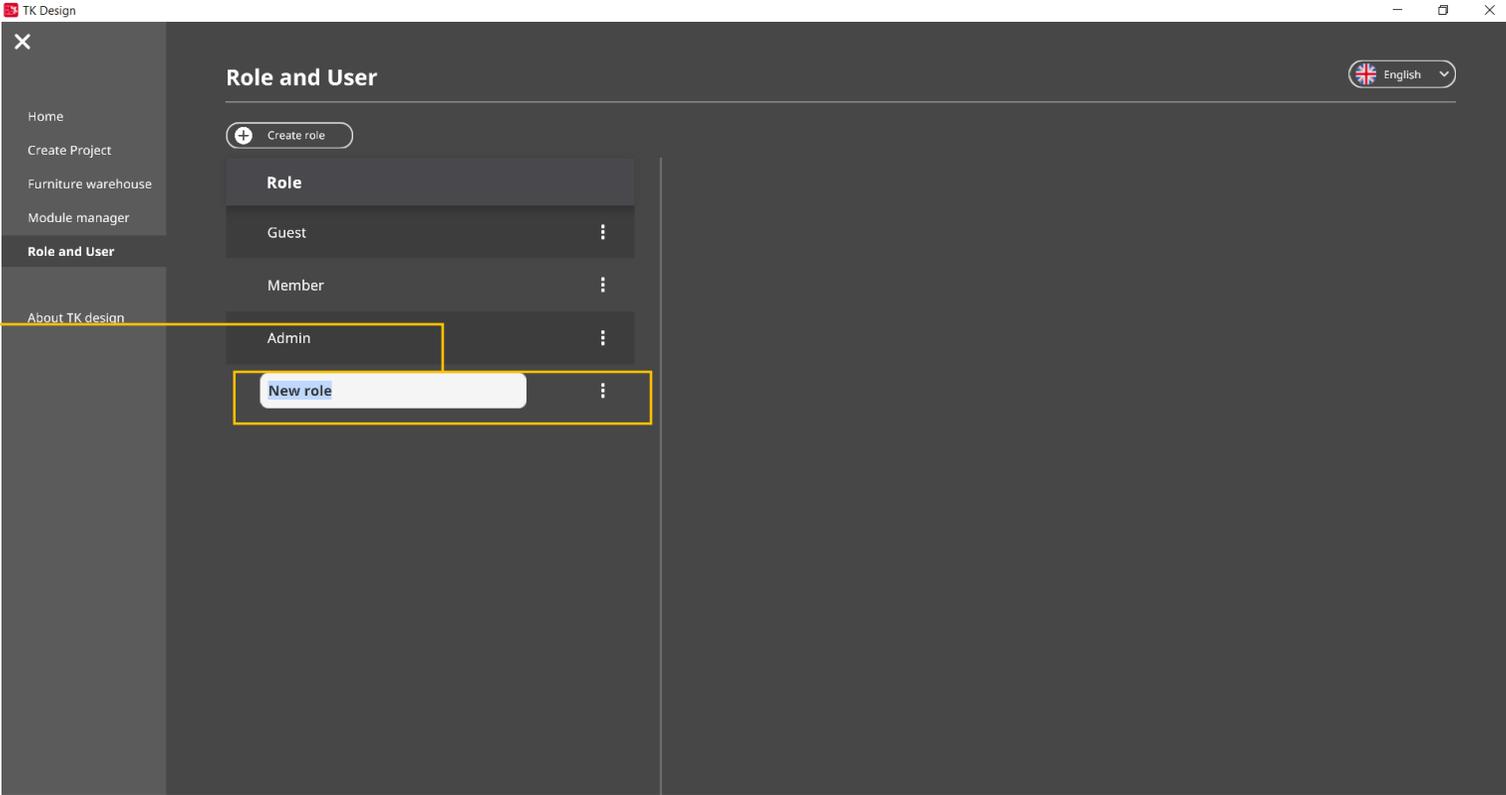
Add Role

Can choose the name
of the role

16.Role and Users

Create Role
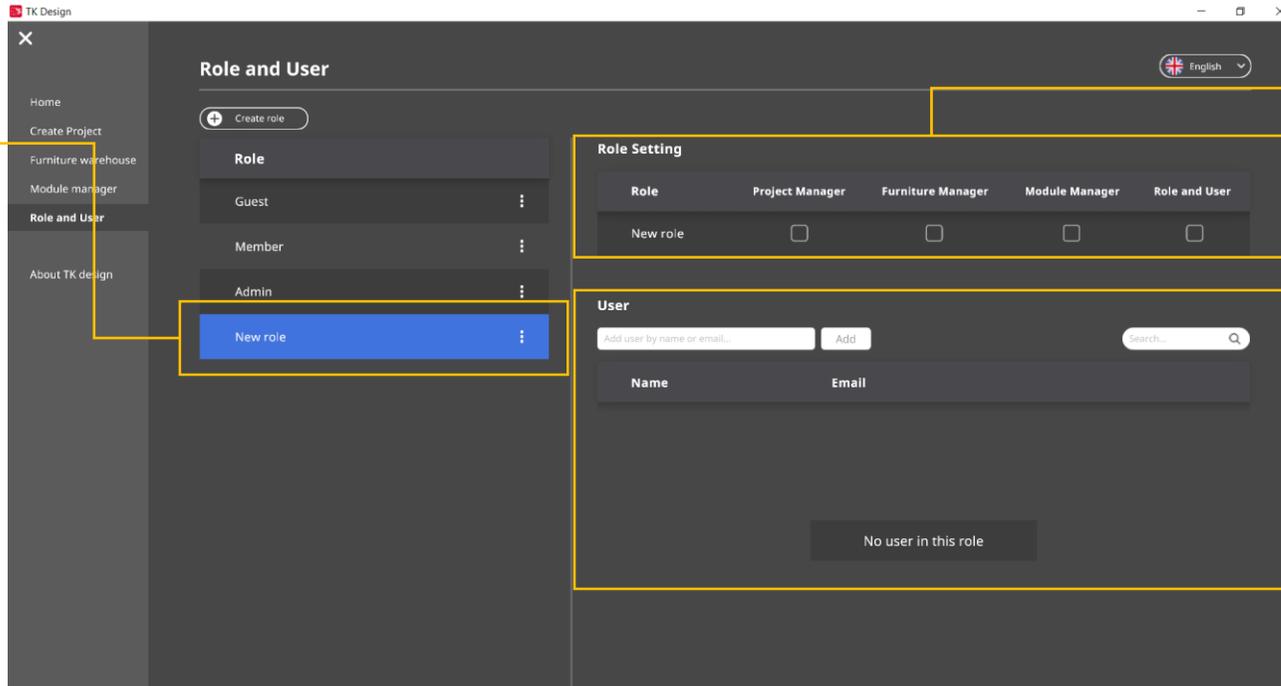
Role Category

Can choose the name of the role category

Role Setting

Choose level of role for each user

Users

Manage the user according to the role. Can add or delete users

16.Role and Users

Management of Roles and Users

Role Category

Can add more role category

Role Setting

Choose level of role
for each user

Users

Manage the user according to the
authority. Can add or
delete users

Search

Search users

Fill in Name or Email to Add Role

Can add role to a user by fill in name or email
and click "Add" to add the user to selected role

List of Users

Display names of users and role

16.Role and Users

Displaying Role and List of Admins

16.Role and Users

Displaying Role and List of Guests

16.Role and Users

Displaying Role and List of Members

17.About TK Design

About TK Design

Show details about TK Design

About TK Design

Click to see details about TK Design

18.Compatible Computer System Spec

OS	:	Windows 10 (64-bit)
Processor	:	Intel Core i5 and above
Memory	:	8 GB RAM and above
Graphics Laptop	:	NVIDIA GeForce MX150 and above
Graphics PC	:	NVIDIA GeForce GTX 1050 Ti 3 GB and above
DirectX	:	Version 10 and above
Storage	:	At least 2 GB empty storage
Display resolution	:	1920 X 1080 Full HD