

MODS APPLICATION SPECIFICATIONS

Overview:

The MODS application aim is to allow MODS team and MODS trained clients to build and layout MODS module in a nice and user-friendly environment.

Plateforme:

The MODS application is made for an Android tablet device with the minimum specifications of the Samsung Tab S3 to be able to interact with 2000 MODS in the 3D scene.

Timing:

The development is planned by 3 milestones of 5 weeks each. At the end of each milestone a current version of the application will be delivered for acceptance. Once the milestone is validated the next one can start.

Intermediate build and meeting can be set during the milestone in order to help the development.

At the end of the last milestone a testing period will start to allow MODS team to use and test the app for a period of 3 months and validate the application is bug free. Once tested and validated the application is accepted as final delivery.

Delivery:

The final delivery is composed of:

- an APK (android application) that can be installed on every device respecting the minimum specifications
- the 3D assets made for this application (MODS, finition, props)
- the 2D assets made for this application (UI, texture, icon)
- the source code specifically made for this application (C# scripts)
- the third party library made and owned by SuperLinkLabs and used in the application (crosslink.dll)
- the Unity project (compatible version 5.x) use to build the application.

Features:

The core features include the system to build modules made of MODS (ex: panel, table, chair...) and the system to layout it in the 3D scenes.

The building mode will included:

- Creation of a set made of MODS
- Save the set as a preset
- Load the set
- Modify the set
- Delete the set
- Visual helper on the ground (Grid & Circle)
- Panel creation from given dimensions (height + width)
- Panel opening (add opening in it)

The layout mode will included:

- Drag and drop a preset from the preset catalog menu into the scene
- Move the preset on the ground in the scene
- Avoid the preset going through walls in the scene if there is any
- Helper features to layout the scene (ex: snap a preset to another, align them...)
- Delete a preset from the scene
- Save the scene with the current layout
- Load a saved layout in the scene

Presets:

Sample presets can be added to the initial application catalog by SuperLinkLabs on MODS request as an update of the application. MODS will need to provide the relevant data (a preset file generated by the application and store on the tablet) to SuperLinkLabs to be able to do the update.

The rate is 5 preset per day at the MD rate of the quote.

3D Scene Camera:

The 3D navigation features will allow the user to rotate, pan and zoom in the 3D scene. Different camera point of view will be available (perspective, top, human height).

Customisation features:

- Choose between a set of covering for the MODS
- Apply / Modify / Remove covering on MODS
- Choose between a set of props for the MODS
- Apply / Modify / Remove props on MODS
- Apply / Modify / Remove props / covering on multiple MODS at the same time
- Load an image from the device gallery and apply it on a specific panel (TBD)
- Add a resizable room to the scene (squared with 4 walls)
- Add/Move/Remove props on the room walls (door, windows)
- Resizable / Adaptative covering

Others features:

- A way to display/hide the metrics of a set (height, width, depth)
- Take a screenshot from a specific/custom point of view of a set / layout scene and saved it on the device
- Display / save on disk, as an image (.png), the list and count of all the MODS, covering, metrics and props use the current layout .

3D assets:

Accessoires MODS (toujours sur base de 50x50):

- ☐ base 50x50x 4mm (ajustable 122x244 max)
- ☐ base 50x50x 12 mm (ajustable 122x244 max)
- ☐ base 50x50x18 mm (ajustable 122x244 max)
- ☐ base avec prises (ajustable 1 à 3 prises) 50x50x 4mm (ajustable 122x244 max)
- ☐ base avec prises (ajustable 1 à 3 prises) 50x50x 12mm (ajustable 122x244 max)
- ☐ base avec prises (ajustable 1 à 3 prises) 50x50x 18mm (ajustable 122x244 max)
- ☐ 1 étagère en bas (ajustable 122x244 max)
- ☐ 1 étagère au milieu (ajustable 122x244 max)
- ☐ 2 étagères (ajustable 122x244 max)
- ☐ 3 étagères (ajustable 122x244 max)
- ☐ armoire 2 portes (pfd 25 cm) (ajustable 122x244 max)
- ☐ armoire 1 porte (pfd 25 cm) (ajustable 122x244 max)
- ☐ armoire 2 portes vitrée (pfd 25 cm) (ajustable 122x244 max)
- ☐ armoire 1 porte vitré (pfd 25 cm) (ajustable 122x244 max)
- ☐ armoire 2 portes (pfd 15 cm) (ajustable 122x244 max)
- ☐ armoire 1 porte (pfd 15 cm) (ajustable 122x244 max)
- ☐ armoire 2 portes vitrée (pfd 15 cm) (ajustable 122x244 max)
- ☐ armoire 1 porte vitré (pfd 15 cm) (ajustable 122x244 max)
- ☐ plexi ajustable (et plexi ajustable) (ajustable 122x244 max)
- ☐ écran (et écran ajustable) (ajustable 122x244 max)
- ☐ porte folders (ajustable 122x244 max)
- ☐ assise (= mousse + tissus) (ajustable 122x244 max)
- ☐ insertion logo (ajustable 122x244 max)
- ☐ base 50x50 avec applique lumineuse (ajustable 122x244 max) (3 appliques)

Finitions accessoires:

Couleur (20 diff)

Matière:

- ☐ sapin (3 teintes)
- ☐ chêne (3 teintes)
- ☐ bouleau (3 teintes)
- ☐ couleur 70
- ☐ chant couleur
- ☐ chant multiplex