Task

Backend

Apps Square

1. Projects Management "Tenders"

This feature allows the admin user to view the projects submitted by user accounts.

Basic Flow
- Admin opens the platform.
- Admin logs into his account.
- The Admin will reach the dashboard.
- The Admin selects the Projects from the side menu.
- The Admin will view a List of all registered users with some details like
  ○ ID.
  ○ Name.
  ○ Added Date.
  ○ Contractor name.
  ○ Status "New, running, completed "
  ○ User name.
  ○ More(view, delete)
- The Admin can view all users' project details, including Name, contractor name, description, budget, start/end dates, desired materials, and all submitted data.

2. Setting

2.1. Manage Project type

The ability to manage the types available for selection by users as "Villa, Apartment". This includes adding new Types or updating existing ones.

Basic Flow
- Admin opens the platform.
- Admin logs into his account.
- The Admin will reach the dashboard.
- The Admin selects the project type from the setting drop-down from the side menu.
- The Admin will view a List of all types with some details like
  ○ ID.
  ○ Name Ar.
  ○ Name En.
  ○ Added date.
  ○ Action "Edit, delete, view".
- The Admin can add a new type by pressing the "Add button".
- The Admin can enter [Name Ar – Name En].

2.2.   Manage Room Zone

The ability to manage the room type available for user selection as "Main Living, Main Toilet, Bedroom".

They can create, edit, and delete types.

Basic Flow
- Admin opens the platform.
- Admin logs into his account.
- The Admin will reach the dashboard.
- The Admin selects the Rooms property from the setting drop-down from the side menu.
- The Admin will view a List of all types with some details like
  - ID.
  - Name Ar.
  - Name En.
  - Added date.
  - Action "Edit, delete, view".
- The Admin can add a new type by pressing the "Add button".
- The Admin can enter [Name Ar – Name En – Select type "Dry or Wet"].

2.3.   Material Category

The ability to manage the catalog of raw materials available for selection by users. This includes adding new materials, updating prices or availability, and categorizing materials for easy browsing.

Basic Flow
- Admin opens the platform.
- Admin logs into his account.
- The Admin will reach the dashboard.
- The Admin selects the material from the setting drop-down from the side menu.
- The Admin will view a List of all materials with some details like
  - ID.
  - Name Ar.
  - Name En.
  - Added date.
  - Action "Edit, delete, view".
- The Admin can add a new type by pressing the "Add button".
- The Admin can enter [Select room property "Ceil, Floor, Wall" – Name Ar – Name En – Market price /m2 – Image – Contractor Percentage].

2.4. Addition

The ability to manage the additions available for selection by users. This includes adding new add-on items, updating prices or availability, and categorizing items for easy browsing.

The material depends on the Room zone"dry or wet".

Basic Flow

- Admin opens the platform.
- Admin logs into his account.
- The Admin will reach the dashboard.
- The Admin selects the additions from the setting drop-down from the side menu.
- The Admin will view a List of all additions with some details like
  - ID.
  - Name Ar.
  - Name En.
  - Added date.
  - Action "Edit, delete, view".
- The Admin can add a new type by pressing the "Add button".
- The Admin can enter [Select room type– Name Ar – Name En].

2.5. Additions type

The ability to manage the types of additional materials available for selection by users. This includes adding new add-on items, updating prices or availability, and categorizing items for easy browsing.

The material depends on the additions "outlets, bath tube,... ".

Basic Flow

- Admin opens the platform.
- Admin logs into his account.
- The Admin will reach the dashboard.
- The Admin selects the type of the addition from the setting drop-down from the side menu.
- The Admin will view a List of all materials with some details like
  - ID.
  - Name Ar.
  - Name En.
  - Added date.
  - Action "Edit, delete, view".
- The Admin can add a new type by pressing the "Add button".

- The Admin can enter [Additions– Name Ar – Name En – price – Contractor Percentage].

Data model							
Field Name	**Type**	**Unique**	**Validations**	**Dependency**	**Read/Write**	**Default value**	**Specifications**
Name (Ar)	Text	y	Mandatory	N/A	☒Read ☑Write	Placeholder	letters, spaces. in min, (2), max, and (255) characters.
Name (En)	Text	y	Mandatory	N/A	☒Read ☑Write	Placeholder	letters, and spaces. in min, (2), max, and (255) characters.
Room type "Dry or wet"	Dropdown	N/A	Mandatory	N/A	☒Read ☑Write	Placeholder	N/A
Room properties "Ceil, Floor, Wall"	Dropdown	N/A	Mandatory	N/A	☒Read ☑Write	Placeholder	N/A
Additions	Dropdown	N/A	Mandatory	Room type	☒Read ☑Write	Placeholder	N/A
Price	Number	N/A	Mandatory	N/A	☒Read ☑Write	Placeholder	Flout
Image	Image	N/A	Mandatory	N/A	☒Read ☑Write	Placeholder	file of type: JPEG ، PNG ، JPG
Contractor Percentage	Percentage "number"	N/A	Mandatory	N/A	☒Read ☑Write	Placeholder	Flout

Mobile App user "Client"

1. Add opportunity "Add project"

This feature enables users to add new renovation opportunities or projects to the app.

Use case: A user can input details about their upcoming renovation project, such as the name of the opportunity, area, start date, type, project duration, attachment, project location, project budget or open budget, and any other relevant information.

Opportunity details

- Enter the project information
- Select the Rooms type in your project.
- Divide each Room into ceiling, walls, and flooring.
- Choose the type of finish for walls, ceiling, and flooring by selecting from the given options (e.g., marble, HDF, paint, gypsum board, ceramic, etc.)

Basic Flow

- The user opens the platform.
- The user will log in/create an account.
- The user will be redirected to the home screen.
- The user navigates to projects by pressing projects from the nav bar.
- The user clicks Add Project.
- The user enters the project data [Enter Project Name – Project Area – Project Kind– Project Budget or Open Budget – Project Location – Project Duration – Start Date, Project image].
- Then the user moves to ==step 2.==
- The user presses Adds Room.
- Insert details of each room.
    - Select the room zone.
    - Enter (length, width, height).
    - Enter ceiling data (Material).
        - ==A hint is shown to the user about the price of the materials.==
    - Enter Wall data (Material).
        - ==A hint is shown to the user about the price of the materials.==
    - Enter Floor data (Material).
        - ==A hint is shown to the user about the price of the materials.==
    - The user selects the additions according to the room type.
        - The user selects the type and amount of each addition.
    - The system calculates and compares the cost at each stage with the entered budget.
        - ==A hint is shown to the user about the price of the project's selected materials.==
    - The user can edit or delete room zoning.
    - If the cost exceeds the budget, the user is warned by an error message.

- After entering the details, the user confirms the project by clicking on the "Submit button".
- The user can edit or delete room zoning.
- The user can cancel any added project by entering [cancel reason]

Data model					
Field Name	**Type**	**Dependency**	**Mandatory**	**Default Value**	**Specifications**
Enter Project Name	Text	N/A	Y	Placeholder	min. (2), max. (50) characters"
Project Kind	Dropdown	N/A	Y	Placeholder	N/A
Project Area(M2)	Number "Float"	N/A	Y	Placeholder	> 0
Project Budget "from"	Number "Float"	N/A	Y	Placeholder	N/A
Project Budget "to"	Number "Float"	N/A	Y	Placeholder	>from
Open budget	check box	N/A	N	Placeholder	N/A
Project Location	Text	N/A	Y	Placeholder	min. (2), max. (100) characters"
Project Duration	Number "Int"	N/A	Y	Placeholder	int
Project image	Image	N/A	Y	Placeholder	a file of type: JPEG، PNG، JPG
Start Date	Date	N/A	Y	Placeholder	The Start Date must be after today
Step 2					
Room Zone	Dropdown	N/A	Y	Placeholder	N/A
Length	Number "Float"	N/A	Y	Placeholder	N/A
Width	Number "Float"	N/A	Y	Placeholder	N/A
Height	Number "Float"	N/A	Y	Placeholder	N/A
Material	Multiple choices	N/A	Y	Placeholder	N/A

Additions type	Dropdown	Room type	Y	Placeholder	Mandatory if opened
Additions amount	Number "Int"	N/A	Y	Placeholder	
Description	Text	N/A	N	Placeholder	min. (2), max. (500) characters"
Room image	Image	N/A	N	Placeholder	a file of type: JPEG ، PNG ، JPG
Cancel reason	Text	N/A	y	Placeholder	min. (2), max. (50) characters"

Commented [1]: description display mandatory in IOS

Commented [2]: optional

2. Projects

This feature allows users to view [Current – History "Incloud canceled and completed"] projects

Basic Flow

- The user opens the platform.
- The user will log in/create an account.
- The user will be redirected to the home screen.
- The user can find all projects by pressing "projects" from the nav bar.
- The user can view [Current – History] projects.
- The user can view the details of each project by pressing the project.
- The user can cancel or complete the project.

If the user logs in for the first time, projects have not yet been added. A placeholder for the user with the "Add New Project button" is displayed.

2.1. Pending Project

As a user, I want to view more pending projects for which bids have not yet been accepted.

Basic Flow

- The user opens the platform.
- The user will log in/create an account.
- The user will be redirected to the home screen.
- The user can view pending projects to view more projects the user selects "See more link"
- The user will view a project.
- The user can view the details of each project by pressing the project.

Flow chart

Client journey

Sign up → Select account type "Client" → Have account?

Have account? → No → Skip → Yes → Browse as a guest → Request a service available for the guest → Open any feature required register

Have account? → Yes → Log in → Home screen

Open any feature required register → Yes → He is asked to log in → Accept

Accept → Yes → Skip

Accept → No → Keep browsing

Open any feature required register → No → Keep browsing

Home screen → Add Project → Enter required data → Submit Project → Receive contractor Bids → View contractor offer

View contractor offer → Accept

Accept → Yes → The Project assigned to the contractor → The user view contractor contacts → The user can Complete The project → The user can cancel the project

Accept → No → View other bids

The user can Complete The project → Rate The contractor