Casual Use Case Specification: UC 09 - Design Project

Brief Description: This use case enables the Project Manager and Customer to complete the project design, including saving requirements and producing the blueprint.

Section 1: Business Rule(s):

BR 50: All approved design ideas of the customer must be recorded in the system at the end of the analysis stage.

BR 51: Customer signature must be obtained and saved to record the approval of the agreement.

BR 52: In the blueprint design tool, features will be linked to the recorded customer needs.

BR 53: Each component in the blueprint must have an ID field.

BR 54: Each blueprint must have an ID and a date field.

Section 2: Scenarios (HD):

Scenario 1: Analyze Requirements

Preconditions

The project manager user (user account) must be using the system and he is at the project management page/screen of a given project.

Step #	Actor (Project Manager)	System	Data Used
1	Selects "Analyze Requirements" from the project management task list.	Displays a list of current requirements.	List of requirements for the current project.
2	Selects "Add requirement".	Displays a requirement adding form which includes short name, description, cost estimate, material needed.	-
3	Fills all the fields with the customer and selects "Save".	Saves the data and presents summary view to sign.	Currently-saving requirements like short name, description.
4	Has the customer sign the requirements recorded.	Saves the drawn signature and date.	-
5	Selects "Exit".	Displays the main program menu.	-

Successful Post-Conditions:

Requirements are saved to the database and customer's agreement is recorded with his signature.

Scenario 2:

Preconditions

The project manager user (user account) must be using the system and he is at the project management page/screen of a given project.

Step #	Actor (Project Manager)	System	Data Used
1	Selects "Design Bluprint" from the project management task list.	Displays the design tool.	Project code. Project name. Estimated cost. Existing blueprint of the project, if available.
2	Use the desired design tool to add a desired feature.	Display the design feature in the design. Display its auto-generated ID. Ask for customer need for the feature.	-
3	Enter the need, if there is. Click "Submit".	Saves the design feature and submit. Displays the same ID and description. Lets the user continue the design process.	Existing blueprint design data.
4	Clicks "total cost".	Gives an estimate cost based on total estimates entered and known additional costs. Prompts for signature.	Existing blueprint design cost estimates. Project-wide costs such as labor that are not per feature.
5	Gets the customer to sign.	Saves signature.	-
6	Selects "Exit".	Displays the main program menu.	-

Successful Post-Conditions:
Blueprint design is finalized and customer acceptance is recorded.