# 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.

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| --- | --- | --- | --- |
| **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.

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| --- | --- | --- | --- |
| **Step #** | **Actor (Project Manager)** | **System** | **Data Used** |
| 1 | Selects “Design Blueprint” 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.