# Casual Use Case Specification: ES 503

**Brief Description:** This use case enables the Customer Project Manager to Add Customer Projects

# Section 1: Business Rule(s):

BR 01: Project Code must be unique when saving a customer project to the database

BR 02: Every Project must have a name in the database

BR 03: Every Project must have an employee id in the database

BR 04: Every Project must have a start date in the database

BR 05: Every Project must have a due date in the database

BR 06: Every Project must have a price in the database

BR 07: Every Project must have a project description in the database

BR 08: Every Project must have a project status in the database

BR 09: Every Project must have a customer id in the database

# Section 2: Scenarios (HD):

**Scenario 1:** Add a New Customer Project to a current customer without errors

# Preconditions

The Customer Project Manager is logged in and the system is displaying the Maintain Customer Project Menu also called CPMENU

| **Step#** | **Actor Customer Project Manager** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Select Add a Customer Project | Displays a list of current customers in ascending order for customer id and includes customer name, address and phone number | List of Customers  Customer ID  Name  Address  Phone number |
| 2 | Select a Customer | Displays a list of current customer projects in ascending order for project code and includes project name, customer id, employee id, start date, due date, price, project description and project status as well as an option for a new Customer Project | List of Customer Projects  Project code  Project name  Employee ID  Customer ID  Start Date  Due date  Price  Project Description  Project Status |
| 3 | Choose to add a Customer Project | Display a Customer Project entry screen prompting for project code, project name, employee id, customer id, start date, due date, price, project description and project status |  |
| 4 | Enter a project code, project name, employee id, customer id, start date, due date, price, project description and project status.  Choose to submit | Data Validation  Project code must be unique  Project name must be entered  Employee id must be entered  Customer id must be entered  Start date must be entered  Due date must be entered  Price must be entered  Project Description Must be entered  Project Status Must be entered  Data valid and stored  Display a list of Customer projects, prompting to Add a Customer Project or Exit |  |
| 5 | Choose to exit | Display the Maintain Customer Project Menu(CPMENU) |  |

**Successful Post-Conditions: A new Customer Project for a current customer is added to the database**

**Scenario 2:** Add a New Customer Project with a duplicate Project Code.

# Preconditions

The Customer Project Manager is logged in and the system is displaying the Maintain Contractor Menu also called CONTMENU

| **Step#** | **Actor Customer Project Manager** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Select Add a Customer Project | Displays a list of current customers in ascending order for customer id and includes customer name, address and phone number | List of Customers  Customer ID  Name  Address  Phone number |
| 2 | Select a Customer | Displays a list of current customer projects in ascending order for project code and includes project name, customer id, employee id, start date, due date, price, project description and project status as well as an option for a new Customer Project | List of Customer Projects  Project code  Project name  Employee ID  Customer ID  Start Date  Due date  Price  Project Description  Project Status |
| 3 | Choose to add a Customer Project | Display a Customer Project entry screen prompting for project code, project name, employee id, customer id, start date, due date, price, project description and project status |  |
| 4 | Enter a project code, project name, employee id, customer id, start date, due date, price, project description and project status.  Choose to submit | Data Validation  Project code must be unique  Project name must be entered  Employee id must be entered  Customer id must be entered  Start date must be entered  Due date must be entered  Price must be entered  Project Description Must be entered  Project Status Must be entered  Customer Project information is redisplayed with an error message indicating that Project code is a duplicate |  |
| 5 | Correct the project code and choose to submit | Data Validation  Project code must be unique  Project name must be entered  Employee id must be entered  Customer id must be entered  Start date must be entered  Due date must be entered  Price must be entered  Project Description Must be entered  Project Status Must be entered  Data valid and stored  Display a list of Customer projects, prompting to Add a Customer Project or Exit |  |
| 6 | Choose to exit | Display the Maintain Customer Project Menu(CPMENU) |  |

**Successful Post-Conditions: A new Customer Project for a current customer is added to the database**