# Casual Use Case Specification: ES 504

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

# Section 1: Business Rule(s):

BR 01: Contractor ID must be unique when saving a contractor to the database.

BR 02: Every Contractor must have a name in the database.

BR 03: Every Contractor must have an email address in the database.

BR 04: Every Contractor must have a phone number in the database.

BR 05: Every Contractor must have an address in the database.

# Section 2: Scenarios (HD):

**Scenario 1:** Add a New Contractor without errors

# 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 Contractor | System displays a list of contractors in ascending order for contractor id and includes contractor name, contractor email, contractor phone number and contractor address | List of Contractors  Contractor id  Contractor name  Contractor email  Contractor phone  Contractor address |
| 2 | Choose to add a contractor | Display a contractor entry screen prompting for contractor id, contractor name, contractor email, contractor phone number and contractor address |  |
| 3 | Enter a contractor id, name, email, phone number and address.  Choose to submit | Data Validation  Contractor id must be unique  Contractor name must be entered  Contractor email must be entered  Contractor phone number must be  entered  Contractor address must be entered  Data valid and saved  Display a list of contractors, prompting to Add a contractor or Exit |  |
| 4 | Choose to exit | Displays the Maintain Contractor Menu(CONTMENU) |  |

**Successful Post-Conditions: A Contractor is added to the database**

**Scenario 2: Add a Contractor with a duplicate contractor ID.**

# 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 Contractor | System displays a list of contractors in ascending order for contractor id and includes contractor name, contractor email, contractor phone number and contractor address | Contractor List  Contractor id  Contractor name  Contractor email  Contractor phone  Contractor address |
| 2 | Choose to add a contractor | Display a contractor entry screen prompting for contractor id, contractor name, contractor email, contractor phone number and contractor address |  |
| 3 | Enter a contractor id, name, email, phone and address.  Choose to submit | Data Validation  Contractor id must be unique  Contractor name must be entered  Contractor email must be entered  Contractor phone number must be  entered  Contractor address must be entered  Contractor information is redisplayed with an error message indicating that Contractor id is a duplicate |  |
| 4 | Corrects the contractor id and choose to submit | Data Validation  Contractor id must be unique  Contractor name must be entered  Contractor email must be entered  Contractor phone number must be  entered  Contractor address must be entered  Data valid and saved  Display a list of contractors, prompting to Add a contractor or Exit |  |
| 5 | Choose to exit | Displays the Maintain Contractor Menu(CONTMENU) |  |

**Successful Post-Conditions: A Contractor is added to the database**