Casual Use Case Specification: UC02

Brief Description: This system use case allows a hardware manager to manage contractor info and assign a contractor to a customer for DIY projects.

Section 1: Business Rule(s):

BR 50: Contractors are assigned to project by hardware manager only at customer's request for DIY assistance.

BR 51: A single contractor cannot be assigned to more than 1 customer at a time

BR 52: Customer must be provided an estimated quote by the hardware manager on behalf of the contractor prior to being assigned

BR 53: Contractor must confirm availability to work prior to being assigned to a customer in the system

BR 54: Contractor must have a valid first name under 30 characters

BR 55: Contractor must have a valid last name under 30 characters

BR 56: Contractor must have a contractor type

BR 57: Contractor must have a valid phone number using numbers only

BR 58: Contractor does not need to be affiliated with a company name but a company name must be specified for those who are

Section 2: Scenarios (HD):

Scenario 1: Add a Contractor without Errors

Preconditions

Contractor information menu is available, opened and displaying options

Step#	Actor (Hardware Manager)	System	Data Used
1	Selects to 'add contractor'	Displays current list of contractors: contractor id, company, first name, last name, contractor type, contractor phone number, contractor availability dates Prompts to continue	listOfContractors
loop			
2	Selects to continue	Prompts to input contractor company, first name, last name, type, phone number, availability dates Assigns id to contractor	contractor id company firstName lastName type phoneNumber email dateAvailable
3	Inputs company, first name, last name, type, phone number, availability	Validates that fields contractor company, first name, last name, type, phone number, availability dates are valid Prompts to confirm changes and add contractor	
4	Confirms the changes to add contractor	System adds the contractor to the list Displays updated list of contractors Prompts to add another contractor or exit	
end of loop			
5	Chooses to exit	Returns to main menu for managing contractor with options to add, update or assign contractor	

Successful Post-Conditions: New contractor is added to contractor list.

Scenario 2: Assign Available General Contractor to Customer without Errors

Preconditions

Contractor information menu is available, opened and displaying options and customer has requested DIY project assistance and has been quoted.

Step#	Actor (Hardware Manager)	System	Data Used
1	Selects to 'assign contractor'	Displays list of assigned and unassigned contractors by project id Prompts to select a contractor	listOfContractors
loop			
2	Chooses contractor	Displays information for selected contractor Prompt to continue or to go back and reselect	
3	Selects to continue	System displays date range available for the selected contractor Prompts to choose date range	contractor dateAvailable
4	Selects date range	Verifies a date range has been selected Prompts to continue	
5	Chooses to continue	System prompts to enter customer information: customer first name, customer last name, phone number, email address and project type from a list	customer firstName lastName phoneNumber email projectType
6	Enters enter customer information and project type	Verifies customer information is inputted and valid, project type is chosen Prompts to confirm information	
7	Chooses to confirm information	Assigns project id, contractor id and contractor type to customer	customer projectId contractorId contractorType

Step#	Actor (Hardware Manager)	System	Data Used
8	Selects to continue	System prompts to enter customer information: customer first name, customer last name, phone number, email address and project type from a list	customer firstName lastName phoneNumber email projectType
9	Enters enter customer information and project type	Verifies customer information is inputted and valid, project type is chosen Prompts to confirm information	
10	Chooses to confirm	Displays new list of assigned and unassigned contractors by project id Prompts to assign another contractor or exit	
end of loop			
11	Chooses exit	Returns to main menu for managing contractor with options to add, update or assign contractor	

Successful Post-Conditions: Contractor is assigned to a customer and DIY project.