System Requirements Specification

*Project Planning System* [Working Title]

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## 

## 1. Introduction

### 1.1 Purpose of This Document

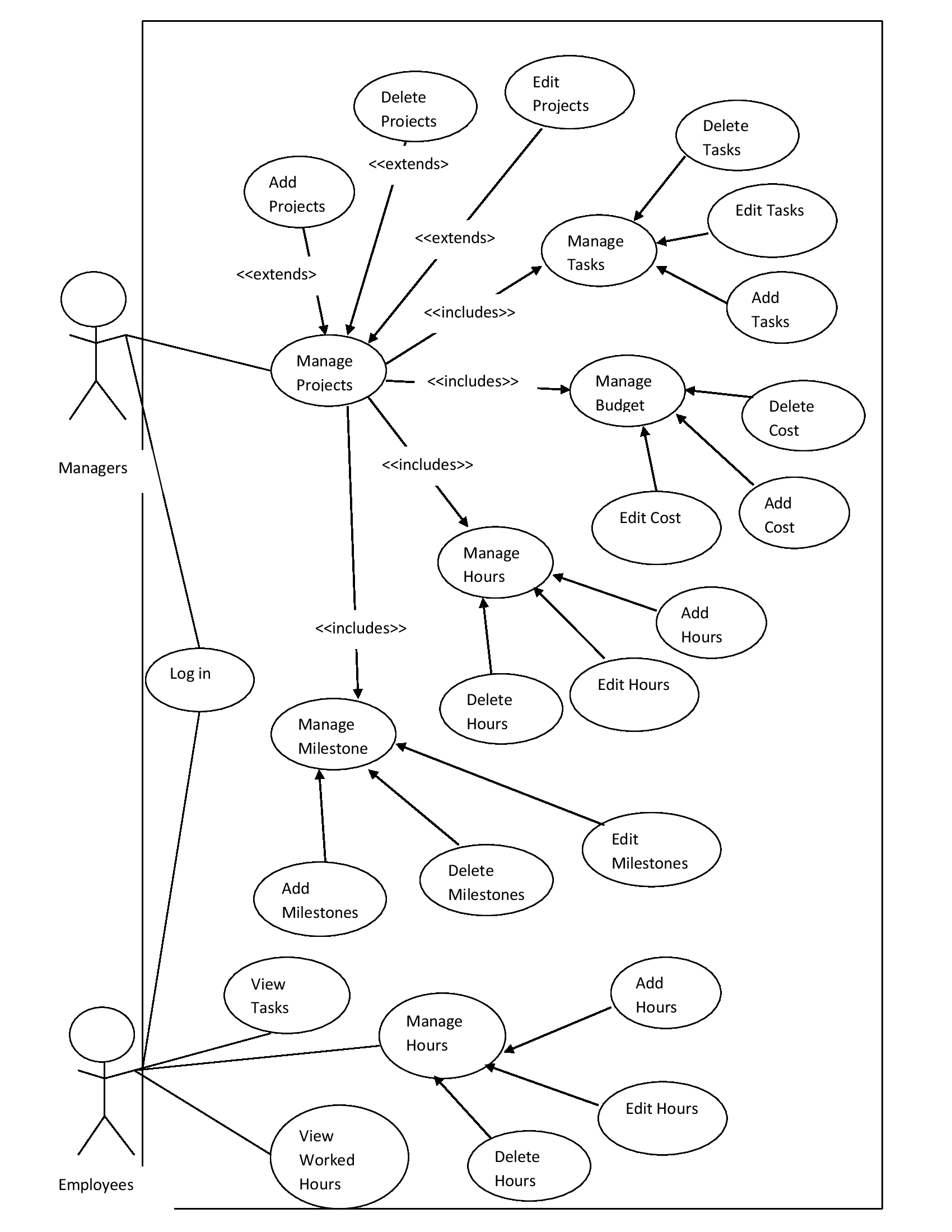
This document is designed to provide a clear outline of the functional capabilities, constraints, and development direction of the *Project Planning System* application. It is intended for readership by Team Hailstorm members as well as the client, Doug Craig.

### 1.2 Purpose of the Product

Over the last few months at UPS, managers have been receiving an extraordinary number of requests for new projects. The volume of requests has impacted the team’s ability to organize and budget the projects already in progress while factoring in newly approved projects. This product has been designed to manage the large quantity of projects and their attributes, keeping track of tasks and deliverables, assigned managers and employees, project durations, costs, and milestones to ensure the company can organize all projects efficiently.

### 1.3 Product Scope

*Project Planning System* database and web application allows managers to create, edit, and delete projects and their attributes ‐ tasks, budgets, worked hours, and milestones - and employees to monitor their delegated tasks and worked hours. Please refer to Figure 1 below for a detailed overview of the functionalities for both types of users.

*Figure 1: Use Case Diagram*

## 2. **Functional Requirements**

Please refer to Figure 1 in Section 1.3 for an overview of the product’s use cases.

### 2.1 Use Case 1

|  |  |  |
| --- | --- | --- |
| **Number** | 1 | |
| **Name** | Log in | |
| **Summary** | User logs into the system with an employee or manager account. | |
| **Priority** | 5 | |
| **Preconditions** | User’s account exists in the system. | |
| **Postconditions** | User will be logged in and able to access the system. | |
| **Primary Actor** | User | |
| **Secondary Actors** | System Database | |
| **Trigger** | User requests to log in to the system. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System prompts for username and password. |
|  | 2 | User enters username and password into the specified fields. |
|  | 3 | User clicks “Login.” |
|  | 4 | System navigates to the home page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 3a | Login Failure :  System displays an error message indicating that either the user’s account either does not exist or the user entered the username or password incorrectly, then re-prompts for login credentials. |
| **Open Issues** | None | |

### 2.2 Use Case 2

|  |  |  |
| --- | --- | --- |
| **Number** | 2 | |
| Name | Manage Project | |
| **Summary** | An administrator creates, edits, or deletes a project. | |
| **Priority** | 5 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | User has selected the “Create,” “Edit,” or “Delete” option. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager has been directed to the home page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a list of all projects contained in the database. |
|  | 2 | Manager selects one of the projects within the list. |
|  | 3 | System awaits input from Manager. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | Manager selects “Create Project” :  Manager is directed to Use Case #3. |
|  | 3a | Manager selects “Edit Project” :  Manager is directed to Use Case #4. |
|  | 3b | Manager selects “Delete Project” :  Manager is directed to Use Case #5. |
| **Open Issues** | None | |

### 2.3 Use Case 3

|  |  |  |
| --- | --- | --- |
| **Number** | 3 | |
| **Name** | Create Project | |
| **Summary** | User creates a new project to be added to the database. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | A new project has been created and added to the database. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Create Project” option on the home page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a project creation form. |
|  | 2 | Manager enters in the project’s name, client ID, and all additional known information. |
|  | 3 | Manager clicks “Submit” button. |
|  | 4 | System adds the project to the database and returns to the home page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 3a | Manager clicks “Submit” button without entering required information **:**  System displays an error and re-prompts to enter the required information. |
| **Open Issues** | None | |

### 2.4 Use Case 4

|  |  |  |
| --- | --- | --- |
| **Number** | 4 | |
| Name | Edit Project | |
| **Summary** | User modifies the project’s information. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | General information about the project will be changed. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager selects “Edit Project” option on the home page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays the project’s information as a pre-filled form. |
|  | 2 | Manager modifies the information as necessary. |
|  | 3 | Manager clicks “Submit.” |
|  | 4 | System sends updated information to the database and returns to the home page. |
| **Open Issues** | None | |

### 2.5 Use Case 5

|  |  |  |
| --- | --- | --- |
| **Number** | 5 | |
| Name | Delete Project | |
| **Summary** | User deletes the selected project. | |
| **Priority** | 3 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | The selected project is removed from the database. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Delete Project” option on the home page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a message confirming that the project is intended to be deleted. |
|  | 2 | Manager selects “Yes.” |
|  | 3 | System removes the project from the database and returns to the home page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | User selects “No” **:**  Confirmation message closes and system returns to the home page. |
| **Open Issues** | None | |

### 2.6 Use Case 6

|  |  |  |
| --- | --- | --- |
| **Number** | 6 | |
| Name | Manage Tasks | |
| **Summary** | An administrator creates, edits, or deletes a project task. | |
| **Priority** | 5 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | User has selected the “Create,” “Edit,” or “Delete” option. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager has been directed to the project tasks page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a list of all tasks contained in the database. |
|  | 2 | Manager selects one of the tasks within the list. |
|  | 3 | System awaits input from Manager. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | Manager selects “Create Task” :  Manager is directed to Use Case #7. |
|  | 3a | Manager selects “Edit Task” :  Manager is directed to Use Case #8. |
|  | 3b | Manager selects “Delete Tasks” :  Manager is directed to Use Case #9. |
| **Open Issues** | None | |

### 2.7 Use Case 7

|  |  |  |
| --- | --- | --- |
| **Number** | 7 | |
| **Name** | Create Task | |
| **Summary** | User creates a new task for the project. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | A new task has been created and added to the project. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Create Task” option on the task page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a task creation form. |
|  | 2 | Manager enters in the task’s name, description, delivery date, and all additional known information. |
|  | 3 | Manager clicks “Submit” button. |
|  | 4 | System adds the task to the project and returns to the task page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 3a | Manager clicks “Submit” button without entering required information **:**  System displays an error and re-prompts to enter the required information. |
| **Open Issues** | None | |

### 2.8 Use Case 8

|  |  |  |
| --- | --- | --- |
| **Number** | 8 | |
| Name | Edit Task | |
| **Summary** | User modifies the task’s information. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | Information about the task will be changed. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager selects “Edit Task” option on the task page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays the task’s information as a pre-filled form. |
|  | 2 | Manager modifies the information as necessary. |
|  | 3 | Manager clicks “Submit.” |
|  | 4 | System sends updated information to the database and returns to the home page. |
| **Open Issues** | None | |

### 

### 2.9 Use Case 9

|  |  |  |
| --- | --- | --- |
| **Number** | 9 | |
| Name | Delete Task | |
| **Summary** | User deletes the selected task. | |
| **Priority** | 3 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | The selected task is removed from the project. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Delete Task” option on the task page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a message confirming that the task is intended to be deleted. |
|  | 2 | Manager selects “Yes.” |
|  | 3 | System removes the task from the project and returns to the task page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | User selects “No” **:**  Confirmation message closes and system returns to the task page. |
| **Open Issues** | None | |

### 2.10 Use Case 10

|  |  |  |
| --- | --- | --- |
| **Number** | 10 | |
| Name | Manage Budget | |
| **Summary** | An administrator creates, edits, or deletes a project cost. | |
| **Priority** | 5 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | User has selected the “Create,” “Edit,” or “Delete” option. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager has been directed to the project budget page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a list of all costs associated with the project as well as the project’s current budget. |
|  | 2 | Manager selects one of the costs within the list. |
|  | 3 | System awaits input from Manager. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | Manager selects “Add Cost” :  Manager is directed to Use Case #11. |
|  | 3a | Manager selects “Edit Cost” :  Manager is directed to Use Case #12. |
|  | 3b | Manager selects “Delete Cost” :  Manager is directed to Use Case #13. |
| **Open Issues** | None | |

### 2.11 Use Case 11

|  |  |  |
| --- | --- | --- |
| **Number** | 11 | |
| **Name** | Add Cost | |
| **Summary** | User adds a new cost to the project. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | A new cost has been added to the budget. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Add Cost” option on the budget page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a cost information form. |
|  | 2 | Manager enters in the cost’s name, description, amount, and all additional known information. |
|  | 3 | Manager clicks “Submit” button. |
|  | 4 | System adds the cost to the budget and returns to the budget page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 3a | Manager clicks “Submit” button without entering required information **:**  System displays an error and re-prompts to enter the required information. |
| **Open Issues** | None | |

### 2.12 Use Case 12

|  |  |  |
| --- | --- | --- |
| **Number** | 12 | |
| Name | Edit Cost | |
| **Summary** | User modifies the cost information. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | General information about the cost will be changed. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager selects “Edit Cost” option on the budget page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays the cost information as a pre-filled form. |
|  | 2 | Manager modifies the information as necessary. |
|  | 3 | Manager clicks “Submit.” |
|  | 4 | System sends updated information to the database and returns to the home page. |
| **Open Issues** | None | |

### 2.13 Use Case 13

|  |  |  |
| --- | --- | --- |
| **Number** | 13 | |
| Name | Delete Cost | |
| **Summary** | User deletes the selected cost. | |
| **Priority** | 3 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | The selected cost is removed from the budget. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Delete Cost” option on the budget page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a message confirming that the cost is intended to be deleted. |
|  | 2 | Manager selects “Yes.” |
|  | 3 | System removes the cost from the budget and returns to the budget page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | User selects “No” **:**  Confirmation message closes and system returns to the budget page. |
| **Open Issues** | None | |

### 2.14 Use Case 14

|  |  |  |
| --- | --- | --- |
| **Number** | 14 | |
| Name | Manage Hours | |
| **Summary** | A user creates, edits, or deletes a project’s worked hours. | |
| **Priority** | 5 | |
| **Preconditions** | User is logged in. | |
| **Postconditions** | User has selected the “Create,” “Edit,” or “Delete” option. | |
| **Primary Actor** | User | |
| **Secondary Actors** | System Database | |
| **Trigger** | User has been directed to the hours page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a list of all hours worked on the project. |
|  | 2 | User selects one of the times within the list. |
|  | 3 | System awaits input from User. |
| **Extensions** | **Step** | **Branching Action** |
|  | 1a | User is logged in as “Employee”:  System displays only the hours worked by the employee logged in. |
|  | 2a | User selects “Add Hours” :  User is directed to Use Case #15. |
|  | 3a | User selects “Edit Hours” :  User is directed to Use Case #16. |
|  | 3b | User selects “Delete Hours” :  User is directed to Use Case #17. |
| **Open Issues** | None | |

### 2.15 Use Case 15

|  |  |  |
| --- | --- | --- |
| **Number** | 15 | |
| **Name** | Add Hours | |
| **Summary** | User adds a new set of worked hours to the project. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in. | |
| **Postconditions** | A new set of hours has been added to the budget. | |
| **Primary Actor** | User | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Add Hours” option on the budget page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a worked hours information form. |
|  | 2 | User enters in the start time, end time, and comments. |
|  | 3 | User clicks “Submit” button. |
|  | 4 | System adds the worked hours to the project and returns to the hours page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 3a | User clicks “Submit” button without entering required information **:**  System displays an error and re-prompts to enter the required information. |
| **Open Issues** | None | |

### 2.16 Use Case 16

|  |  |  |
| --- | --- | --- |
| **Number** | 16 | |
| Name | Edit Hours | |
| **Summary** | User modifies the worked hours. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in. | |
| **Postconditions** | Information about the worked hours will be changed. | |
| **Primary Actor** | User | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Edit Hours” option on the hours page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays the worked hours as a pre-filled form. |
|  | 2 | User modifies the information as necessary. |
|  | 3 | User clicks “Submit.” |
|  | 4 | System sends updated information to the database and returns to the home page. |
| **Open Issues** | None | |

### 

### 2.17 Use Case 17

|  |  |  |
| --- | --- | --- |
| **Number** | 17 | |
| Name | Delete Hours | |
| **Summary** | User deletes the selected hours. | |
| **Priority** | 3 | |
| **Preconditions** | User is logged in. | |
| **Postconditions** | The selected hours are removed from the project. | |
| **Primary Actor** | User | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Delete Hours” option on the hours page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a message confirming that the hours are intended to be deleted. |
|  | 2 | User selects “Yes.” |
|  | 3 | System removes the hours from the project and returns to the hours page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | User selects “No” **:**  Confirmation message closes and system returns to the hours page. |
| **Open Issues** | None | |

### 2.18 Use Case 18

|  |  |  |
| --- | --- | --- |
| **Number** | 18 | |
| Name | Manage Milestones | |
| **Summary** | An administrator creates, edits, or deletes a project’s milestones. | |
| **Priority** | 5 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | User has selected the “Create,” “Edit,” or “Delete” option. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager has been directed to the milestones page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a list of all milestones for the project. |
|  | 2 | Manager selects one of the milestones within the list. |
|  | 3 | System awaits input from Manager. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | Manager selects “Create Milestone” :  Manager is directed to Use Case #19. |
|  | 3a | Manager selects “Edit Milestone” :  Manager is directed to Use Case #20. |
|  | 3b | Manager selects “Delete Milestone” :  Manager is directed to Use Case #21. |
| **Open Issues** | None | |

### 2.19 Use Case 19

|  |  |  |
| --- | --- | --- |
| **Number** | 7 | |
| **Name** | Create Milestone | |
| **Summary** | User creates a new milestone for the project. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | A new milestone has been created and added to the project. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Create Milestone” option on the milestones page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a milestone creation form. |
|  | 2 | Manager enters in the milestone’s name, description, occurrence date, and all additional known information. |
|  | 3 | Manager clicks “Submit” button. |
|  | 4 | System adds the milestone to the project and returns to the task page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 3a | Manager clicks “Submit” button without entering required information **:**  System displays an error and re-prompts to enter the required information. |
| **Open Issues** | None | |

### 2.20 Use Case 20

|  |  |  |
| --- | --- | --- |
| **Number** | 20 | |
| Name | Edit Milestone | |
| **Summary** | User modifies the milestone’s information. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | Information about the milestone will be changed. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | Manager selects “Edit Milestone” option on the milestones page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays the milestone’s information as a pre-filled form. |
|  | 2 | Manager modifies the information as necessary. |
|  | 3 | Manager clicks “Submit.” |
|  | 4 | System sends updated information to the database and returns to the home page. |
| **Open Issues** | None | |

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### 2.21 Use Case 21

|  |  |  |
| --- | --- | --- |
| **Number** | 21 | |
| Name | Delete Milestone | |
| **Summary** | User deletes the selected milestone. | |
| **Priority** | 3 | |
| **Preconditions** | User is logged in as a manager. | |
| **Postconditions** | The selected milestone is removed from the project. | |
| **Primary Actor** | Manager | |
| **Secondary Actors** | System Database | |
| **Trigger** | User selects “Delete Milestone” option on the milestones page. | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays a message confirming that the milestone is intended to be deleted. |
|  | 2 | Manager selects “Yes.” |
|  | 3 | System removes the milestone from the project and returns to the milestones page. |
| **Extensions** | **Step** | **Branching Action** |
|  | 2a | User selects “No” **:**  Confirmation message closes and system returns to the milestones page. |
| **Open Issues** | None | |

### 2.22 Use Case 22

|  |  |  |
| --- | --- | --- |
| **Number** | 22 | |
| **Name** | View Tasks | |
| **Summary** | User views the tasks currently assigned for the project. | |
| **Priority** | 4 | |
| **Preconditions** | User is logged in as an employee. | |
| **Postconditions** | System will display the status of all project tasks | |
| **Primary Actor** | Employee | |
| **Secondary Actors** | System Database | |
| **Trigger** | Employee selects a project and clicks “View Tasks.” | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays all tasks currently associated with the project. |
| **Open Issues** | None | |

### 2.23 Use Case 23

|  |  |  |
| --- | --- | --- |
| **Number** | 23 | |
| **Name** | View Worked Hours | |
| **Summary** | User views the hours currently worked on the project. | |
| **Priority** | 3 | |
| **Preconditions** | User is logged in as an employee. | |
| **Postconditions** | System displays all of the hours the employee has worked. | |
| **Primary Actor** | Employee | |
| **Secondary Actors** | System Database | |
| **Trigger** | Employee selects a project and clicks “View Worked Hours.” | |
| **Main Scenario** | **Step** | **Action** |
|  | 1 | System displays all hours Employee has worked on the project. |
| **Open Issues** | None | |

## 3. **Non-Functional Requirements**

The following table outlines the requirements and constraints of the system as a whole.

|  |  |  |
| --- | --- | --- |
| NFR Number | Description | Priority |
| 1 | The connected database must be secure, available to access only by administrators within the company. | 5 |
| 2 | The system will have multiple levels of user access, with features limited depending on user level. | 4 |
| 3 | The database will create routine backups to avoid data loss. | 4 |
| 4 | The system shall be extensible in the event the company needs to track additional project information. | 3 |
| 5 | The system’s code shall remain open-source and documented thoroughly to allow extensibility by additional teams. | 3 |
| 6 | The system must be compatible with all major web browsers. | 3 |
| 7 | The system uptime shall be no less than 95.0%. | 3 |
| 8 | 90% of all database queries should complete in less than 1 second. | 3 |
| 9 | The user interface will be quick to navigate, with navigation through web pages occurring in less than 500ms. | 3 |
| 10 | The system shall be written in PHP, HTML, Jquery, or Ajax with SQL. | 2 |

## 4. **User Interface**

See “User Interface Design Document for *Project Planning System*.”

## 5. **Deliverables**

Deliverables include hard copies of each of the following:

|  |  |
| --- | --- |
| Deliverable | Delivery Date |
| Systems Requirement Specification | 11 October, 2017 |
| System Design Document | 25 October, 2017 |
| User Interface Design Document | 25 October, 2017 |
| User Manual | 29 November, 2017 |
| Administrator Manual | 29 November, 2017 |

Additionally, the final deliverable (due 11 December, 2017) is an electronic copy in a ZIP file containing the following:

* Systems Requirement Specification
* System Design Document
* User Interface Design Document
* User Manual
* Administrator Manual
* All source code
* The executable program
* All dependencies for installing and executing the program

## 6. **Open Issues**

As of the time of writing, there are no open issues with the product.

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## Appendix A – Agreement Between Customer and Contractor

The client agrees to a *Project Planning System* web application utilizing a database for tracking projects and their attributes. The product’s use cases are outlined in Section 2, detailing the features required of the product. More features may be included in future iterations of the product.

In the event that requirements of the product are changed in the future, a new version of this document will be drafted and presented to the client for review. Upon approval, the draft will be signed off by the client and Team Hailstorm.

Client

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## Appendix B – Team Review Sign-off

This document has been collaboratively written by all members of Team Hailstorm, and all members have reviewed the document and have agreed upon its contents. If any member bears disagreements regarding the contents of this document, such disagreements will be written in the comments below.

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## Appendix C – Document Contributions

Jacob Lutz wrote the introductory comments before sections as well as oversaw the document formatting. Phuoc Nguyen designed the project’s diagrams and wrote the overview of the project scope. Hemang Bhatt wrote the purpose of the product. All team members contributed to the writing of the functional and non-functional requirements.