**Timewise Time Management**

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INFO2310 - Section 1

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## Use Case Description

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| Use Case # | UC01 | |
| Use Case Name | User Login | |
| Scenario | The user owns a valid registered account | |
| Brief Description | A user wants to login to their registered account | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | 1. The user has a registered account. | |
| Post-conditions | 1. The user gain access to the features of the application | |
| Flow of Activities | **Actor** | **System** |
| 1. The user navigates to the login page. 2. The user enters their login credentials. | * 1. The page shows the login panel to the user.   2. The system verifies the credentials.   3. The system navigates the user to the home page. |
| Exception Conditions | 1. The user entered an invalid credential. 2. The server is not responding at the moment. | |

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| Use Case # | UC02 | |
| Use Case Name | Task Deletion | |
| Scenario | The user has created a task and wants to delete it now. | |
| Brief Description | The user deletes an existing task from the table | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | 1. The user is logged in to their account. 2. The user has existing tasks in their task table. | |
| Post-conditions | 1. A task is deleted from the table. | |
| Flow of Activities | **Actor** | **System** |
| 1. The user clicks on the delete button of the task. 2. The user confirms the deletion. | * 1. The system navigates to the delete confirmation page and shows options of confirm and cancel.   2. The system processes the deletion, and the task is deleted from the table. |
| Exception Conditions | 1. The server is not responding at the moment. | |

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| Use Case # | UC03 | |
| Use Case Name | Task Edit | |
| Scenario | The user has created a task and wants to edit its information | |
| Brief Description | The user edits an existing task from the table | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | 1. The user is logged in to their registered account. 2. The user has existing tasks in their task table. | |
| Post-conditions | 1. The information of the selected task is edited | |
| Flow of Activities | **Actor** | **System** |
| 1. The user clicks on the edit button of the task. 2. The user edits the data as needed. 3. The user confirms the changes. | 1.1 The system navigates to the edit page of the task, providing the fields that are editable.  3.1 The system saves the changes.  4.1 The system navigates the user back to the task page. |
| Exception Conditions | 1. The server is not responding at the moment. | |

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| Use Case # | UC04 | |
| Use Case Name | Task Creation | |
| Scenario | The user wants to create a task in their table | |
| Brief Description | The user adds a new task to the table | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | 1. The user is logged in to their registered account. | |
| Post-conditions | 1. A new task is created in the table | |
| Flow of Activities | **Actor** | **System** |
| 1. The user navigates to the Task Creation page. 2. The user fills the fields of the new task. 3. The user clicks the confirm button. | 1.1 The page shows the form for adding a new task.  3.1 The system adds the new task to the table. |
| Exception Conditions | 1. The data in the fields is not valid. 2. The server is not responding at the moment. | |

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| Use Case # | UC05 | |
| Use Case Name | Set Task Deadline in Calendar | |
| Scenario | The user wants to update the due date of a task in the Calendar Page. | |
| Brief Description | The user changes the due date of a task in the Calendar. | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | 1. The task is already created. 2. The user is logged in to their registered account. | |
| Post-conditions | 1. The due date of a task is updated. | |
| Flow of Activities | **Actor** | **System** |
| 1. The user navigates to the Calendar page. 2. The user clicks on the event block of that task. 3. The user changes the due date of the task. 4. The user confirms the change. | 2.1 The system pops up the details view of the task selected.  3.1 The system pops up the confirmation page of the change.  4.1 The system updates the due date of the task. |
| Exception Conditions | 1. The server is not responding at the moment. | |

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| Use Case # | UC06 | |
| Use Case Name | Categorize Task | |
| Scenario | The user wants to see the tasks of a certain category. | |
| Brief Description | The user selects an option from the drop-down menu to show the tasks of a category. | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | 1. The user is logged in to their registered account. 2. There are tasks of the selected category existing in the table. | |
| Post-conditions | 1. The task table shows all the qualified tasks. | |
| Flow of Activities | **Actor** | **System** |
| 1. The user navigates to the Task page. 2. The user selects an option from the Category drop-down menu. | 2.1 The system collects the data of all qualified tasks and shows them in the table |
| Exception Conditions | 1. The server is not responding at the moment. | |

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| Use Case # | UC07 | |
| Use Case Name | User Registration | |
| Scenario | The user is new to this application or wants to create a new account. | |
| Brief Description | The user creates a new account | |
| Primary Actor | User | |
| Included Use Cases (if any) | None | |
| Stakeholders | User | |
| Pre-conditions | None | |
| Post-conditions | 1. A new account is created for the user. | |
| Flow of Activities | **Actor** | **System** |
| 1. The user navigates to the register page. 2. The user enters all the fields for registration | 1.1The system shows the register panel.  2.1 The system creates the account.  3.1 The system navigates the user to the home page. |
| Exception Conditions | 1. User enters invalid data. 2. The server is not responding at the moment. | |

## Sequence Diagram

Sequence Diagram Edit

A diagram of a task

Description automatically generated

Sequence Diagram Create

A diagram of a task

Description automatically generated

Sequence Diagram Calendar

A diagram of a task

Description automatically generated

## Entity Relationship Diagram

A diagram of a computer

Description automatically generated

## Working Code Demonstration

[*https://stuconestogacon.sharepoint.com.mcas.ms/sites/CC\_Group2\_Capstone/\_layouts/15/stream.aspx?id=%2Fsites%2FCC%5FGroup2%5FCapstone%2FShared%20Documents%2FGeneral%2FRecordings%2FNew%20channel%20meeting%2D20240317%5F125324%2DMeeting%20Recording%2Emp4&referrer=StreamWebApp%2EWeb&referrerScenario=AddressBarCopied%2Eview*](https://stuconestogacon.sharepoint.com.mcas.ms/sites/CC_Group2_Capstone/_layouts/15/stream.aspx?id=%2Fsites%2FCC%5FGroup2%5FCapstone%2FShared%20Documents%2FGeneral%2FRecordings%2FNew%20channel%20meeting%2D20240317%5F125324%2DMeeting%20Recording%2Emp4&referrer=StreamWebApp%2EWeb&referrerScenario=AddressBarCopied%2Eview)