

UseCase



# Use case Diagram

A diagram of a company

Description automatically generated

# Use case scenario

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| **Use Case Name** | Register |
| **UC ID** | 1 |
| **Description** | User creates account |
| **Trigger Event** | User click on “sign-up” button |
| **Precondition** | User install the application |
| **Postcondition** | User has created account successfully |
| **Happy Flow** | 1-user enters his data  2-user confirm data  3-click on “create account” button |
| **Exceptions** | If user entered wrong data ,print message “data are non-valid ,please try again” |

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| **Use Case Name** | Login |
| **UC ID** | 2 |
| **Description** | User enter to his account |
| **Trigger Event** | User click on “login in” button |
| **Precondition** | Register |
| **Postcondition** | User has successfully logged in his account |
| **Happy Flow** | 1-user enter his username and password  2-user click on “login” button |
| **Exceptions** | If user entered wrong username or password, print message “username or password isn’t correct please try again” |

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| **Use Case Name** | Adjust task settings |
| **UC ID** | 3 |
| **Description** | Add task settings |
| **Trigger Event** | User click on create (+) or edit |
| **Precondition** | User selects create (+) or edit task |
| **Postcondition** | Setting for the task is added |
| **Happy Flow** | 1. User select create task or edit task. 2. Set task name if user select to edit, he can edit it. 3. Write task description (optional). 4. Ask user if he want to set start and end time & date for task (optional). 5. If user want reminder for the task, he can adjust notification with the time and date he wants. 6. If user want to repeat this task, he can adjust repeating duration. 7. Add notes or tags (optional). 8. Save settings |
| **Exceptions** | 1. If user doesn’t enter task name, ask him to enter name to continue. 2. If user set start date for the task, reminder or repeating with time or date in the past, show time is invalid please enter valid date and time. 3. If user set start time after end time or date, ask him to enter valid time or date. |

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| **Use Case Name** | Create task |
| **UC ID** | 4 |
| **Description** | Create a new task to the task list |
| **Trigger Event** | Click (+) button |
| **Precondition** | User must be logged in |
| **Postcondition** | A new task will be added to task list |
| **Happy Flow** | 1. Click on (+) button. 2. Adjust task settings. 3. If user want to assign collaborators to this task, click on assign collaborators. 4. If user want to add category to this task, click on categorize task. 5. If user want to set dependencies for this task, click add priority. 6. Save task. |
| **Exceptions** | 1. If user Is not logged in, ask him to log in first to create task. 2. If user forgot to save the task, ask him if he want to save it, if yes save task for him 3. If task settings not completed, ask him to complete it |

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| **Use Case Came** | **Open task** |
| **UC ID** | 5 |
| **Description** | The use opens an existing task to view , edit , or delete it |
| **Trigger Event** | Click open task button |
| **Precondition** | The user is already logged in |
| **Postcondition** | The previous task is viewed, edited or deleted |
| **Happy Flow** | Clicking the open task button shows the previous tasks and 2 options   1. The first option is the delete a certain task which occurs when the user clicks the delete button 2. The second option is to edit task ; editing a task includes editing the deadline , priority , task collaborations and reminders |
| **Exceptions** | * Is the user is not already logged in the system will ask it to log in first |

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| **Use Case Came** | **Categorize task** |
| **UC ID** | 6 |
| **Description** | Categorizing a task |
| **Trigger Event** | Click open task button and select edit task or initializing a new task |
| **Precondition** | The user is already logged in |
| **Postcondition** | The selected task is categorized successfully |
| **Happy Flow** | There are two ways to categorize a task   1. When the user is creating a task ,It can be categorized in the task initializing 2. If the user already created a task without categorizing it ,it can be categorized by opening the wanted task then edit task the add category |
| **Exceptions** | * Is the user is not already logged in the system will ask it to log in first |

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| **Use Case Came** | **Share task** |
| **UC ID** | 7 |
| **Description** | The user views an existing task to share it |
| **Trigger Event** | Click open task button |
| **Precondition** | The user is already logged in and the task is already created |
| **Postcondition** | The task is shared successfully |
| **Happy Flow** | When the user wants to share the task they need to open the task then view the options then select the share option |
| **Exceptions** | * Is the user is not already logged in the system will ask it to log in first |

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| **Use Case Came** | **Show calendar** |
| **UC ID** | 8 |
| **Description** | The user wants to view the calendar |
| **Trigger Event** | Click on the calendar button |
| **Precondition** | The user is already logged in |
| **Postcondition** | The calendar is successfully vied |
| **Happy Flow** | When the user logs -in they choose the calendar option to view the calendar |
| **Exceptions** | * Is the user is not already logged in the system will ask it to log in first |

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| **Use Case Name** | Set collaboration |
| **UC ID** | 9 |
| **Description** | Assign a collaborator to a task or category of tasks |
| **Trigger Event** | Click add collaborators |
| **Precondition** | User must have tasks |
| **Postcondition** | Collaborators are added to this task, and they can view, edit, delete (if he has the authority to do so) tasks |
| **Happy Flow** | 1. Click add collaborators. 2. Ask user to mark task or category he wants to add collaborators to it. 3. Add email address to these collaborators. 4. Assign role and authority to each collaborator. 5. Edit collaborators |
| **Exceptions** | 1. If user entered wrong collaborator email, ask him to write it again or to check if its correct. 2. If email entered was not have an account to on our task management program, ask user to till the collaborator to create one. |

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| **Use Case Name** | Create task priority |
| **UC ID** | 10 |
| **Description** | Allow user to assign priorities to his task |
| **Trigger Event** | User click on “add priority “ button |
| **Precondition** | Tasks must be created |
| **Postcondition** | Priority has successfully assigned |
| **Happy Flow** | 1-user select task  2-choose the priority (low-medium-high)  3-user can edit priority  4-user can filter tasks by priority  5- add task dependency |
| **Exceptions** |  |

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| **Use Case Name** | Create report |
| **UC ID** | 11 |
| **Description** | Create report for tasks |
| **Trigger Event** | Click on “create report “ button |
| **Precondition** | Task must be assigned |
| **Postcondition** | Report is successfully made |
| **Happy Flow** | 1-select task  2-choose the design of report (chart, table, comparison )  3- select if he want to export this report as a pdf or CSV) |
| **Exceptions** |  |