Test Plan

Task Manager Application

A person sitting at a desk working on a computer

Description automatically generated

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# Introduction

The objective of this test plan is to ascertain that the Task Manager application functions as intended, thereby providing users with efficient and user-friendly task management capabilities. This document delineates the testing strategy, scope, objectives, and specific test cases designed to verify the application’s core functionalities, including task creation, editing, deletion, sorting, and filtering. The overarching aim is to identify any defects or issues prior to deployment, thereby ensuring a seamless user experience and dependable performance.

## Objectives

* Validate that users can create, edit, and remove task lists and individual tasks.
* Ensure that sorting and filtering functionalities work correctly for task organization.
* Confirm that the application performs efficiently across different devices and platforms.

## Scope

This test plan focuses on the following functionalities:

* Task List Management (Create, Edit, Remove)
* Task Management (Create, Edit, Remove)
* Sorting and Filtering of tasks

# User Stories

## Task List

### Create

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Create a new list | Create a new list with a name. | The home page is updated with the new list. |

### Edit

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Edit a list | Edit the name of the list. | The home page is updated with the new name of the list. |

### Remove

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Remove a list | Remove a specific list. | The home page is updated without the removed list. |

## Task

### Create

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | View a list | Select a list. | The page of the selected list opens. |
| 3 | Create a new task | Open an input page of the task. | The task is successfully created. |
| 4 | Save | Save the attributes of the task. | The list page is updated with the new task. |

### Edit

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | View a list | Select a list. | The page of the selected list opens. |
| 3 | View a task | Select a task. | The page of the selected task opens. |
| 4 | Edit Task | Modify the task’s attributes (name, due date, priority, etc.). | Task attributes are successfully updated. |
| 5 | Save | Save the edited task. | The list page is updated with the edited task. |

### Remove

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | View a list | Select a list. | The page of the selected list opens. |
| 3 | View a task | Select a task. | The page of the selected task opens. |
| 4 | Remove a task | Remove the task from the list. | The task is successfully deleted and removed from the list. |

## Sorting

### Sort a list (ASC)

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Sort by ASC order | Sort the lists in ASC order. | The names correctly sort lists. |

### Sort a list (DESC)

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Sort by DESC order | Sort the lists in DESC order. | The names correctly sort lists. |

### Sort a list of tasks (ASC)

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | View a list | Select a list. | The page of the selected list opens. |
| 3 | Sort by ASC order | Sort the tasks of a list in ASC order. | The names correctly sort tasks. |

### Sort a list of tasks (DESC)

## Filtering

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | View a list | Select a list. | The page of the selected list opens. |
| 3 | Sort by DESC order | Sort the tasks of a list in DESC order. | The names correctly sort tasks. |

### Filter a list of tasks by date

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Filter by date | Filter the tasks based on the due date. | Tasks are correctly filtered by their due date. |

### Filter a list of tasks by priority

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Filter by priority | Filter the tasks based on the priority. | Tasks are correctly filtered by their priority. |

### Filter a list of tasks by status

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Title | Description | Expected Result |
| 1 | Start | Open the application. | The application starts running. |
| 2 | Filter by status | Filter the tasks based on the status. | Tasks are correctly filtered by their status. |