

## **Introduction:**

The purpose of this test plan is to outline the strategy and approach for testing the Task Management System. This document serves as a blueprint for.

### **Objectives:**

- Verify that the system meets the specified requirements based on the Figma design
- Identify and fix defects.
- Ensure the system is user-friendly, design should meet the requirements that are based in the Figma.
- Web page should be responsive and adapt to different screen sizes. (Desktop, tablet, phone).

## **Test Items:**

### **List of Items to be Tested:**

- Navigation
- Header
- Footer
- Form
- Pages (Home, About, Contact)

### **Features to be Tested:**

- About page there are cards where I can hover on the button.
- Navigation there are links where I can click and should be direct to the different page.
- Form must meet Design system requirements (Form elements)
- Contact button should change color when clicked, or hovered over.

## Test Approach (Test Strategy):

Test Type	Method	Tools Used	Description
System Testing	Experience-based Testing, Confirmation Testing	Test writing tool(excel)	Make sure the application meets the specified requirements.
Acceptance Testing	User Acceptance Testing (UAT)	Test Cases	Validate that the software meets user requirements.
Usability Testing	Accessibility Testing (Keyboard Navigation, Color Contrast analysis)	WebAIM (Color Contrast Analyzer), Lighthouse	Ensure that software is accessible and friendly-user.
Compatibility Testing	Cross-Browser Testing	Different Browsers	Works correctly and consistently across different web browsers.

## Entry and Exit Criteria

### Entry Criteria:

- All development tasks have been completed, and the code has been merged into the main branch.
- All test cases have been reviewed and approved by the Teacher (Rokas).

### Exit Criteria:

- All planned test cases have been executed.
- Completion of planned tests and execution of all test cases.
- All defects found have been reported and documented.

Resources:

Roles and Responsibilities:

- Testers: Execute test cases and report defects.
- Developers: Fix defects and provide support during testing.

Test Environment:

- Environment Setup:

Component	Details
Devices	Various devices including desktops, emulator smartphones, and tablets.
Operating Systems	Windows 11, macOS
Browsers	Chrome (latest version), Firefox (latest version), Safari, Edge

- Tools

Tools	Purpose
Excel	Manual functional and non-functional testing for web applications
Jira	Test management and defect tracking
WebAIM (Color Contrast Analyzer)	Accessibility testing for color contrast
WAVE	Performance and accessibility testing for web applications

## Schedule:

Activity	Start Date	End Date	Duration (Days)	Responsible Team Members
Test Plan Review and Approval	2025-01-27	2025-01-27	1	Rokas
Test Case Development	2025-01-30	2025-02-05	6	Rokas, Testers
Test Environment Setup	2025-01-27	2025-01-30	7	Tester
Test Data Preparation	2025-01-27	2025-01-27	1	Testers
System Testing	2025-02-05	2025-02-15	10	Testers
User Acceptance Testing (UAT)	2025-02-15	2025-02-15	1	Testers
Bug Fixing and Retesting	2025-02-05	2025-02-15	10	Developers, Testers
Test Summary Report Preparation	2025-02-15	2025-02-15	1	Testers

## Communication Plan:

### - Forms and Frequency of Communication:

Communication Type	Description	Frequency	Audience	Responsible Person
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Daily Meetings	Brief meetings to discuss progress, blockers, and plans for the day.	Daily	Test Team, Developers	Tomas
Weekly Status Reports	Detailed reports on testing progress, issues, and upcoming activities.	Weekly	Rokas	Rokas
Test Plan Review Meetings	Meetings to review and approve the test plan.	At the start of the project	Rokas	Rokas

- **Communication Channels:**

Channel	Purpose	Tools Used
Instant Messaging	Quick communication and collaboration.	Microsoft Teams
Video Conferencing	Meetings and discussions.	Microsoft Teams
Project Management Tool	Tracking progress, issues, and tasks.	Jira
Document Sharing	Sharing and collaborating on documents.	Google Drive, OneDrive

