King Saud University
College of Computer and Information Sciences
Department of Information Technology

IT 320 Course Project
Semester-2, 1446H

Software Product Release
Monjez | مُنجز

Prepared by

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Phase1-Proposal

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Chapter 1: Introduction

In a fast-paced world, task management and organization have become essential for maintaining productivity. This project falls under the field of digital task management and assistive technology, aiming to facilitate planning and prioritization effectively. With the increasing reliance on digital solutions, the need for specialized platforms to manage tasks and shopping lists has become more critical than ever. Many people struggle to keep track of their daily activities and complete them on time, leading to task accumulation or forgetfulness. Additionally, inefficient shopping list management can result in forgetting essential items or purchasing unnecessary products, emphasizing the need for a digital solution that provides a structured and flexible environment to help users manage their tasks and requirements efficiently.

Technological solutions play a key role in providing a more efficient alternative to traditional methods, such as using pen and paper, by reducing clutter and enhancing personal planning. Globally, task management platforms contribute to increased productivity for individuals and businesses alike while supporting the transition to a more sustainable digital environment. Locally, providing a platform that meets users' specific needs enables them to streamline their daily lives more effectively, allowing for better decision-making regarding tasks and purchases.

In this document, we will explore the challenges people face in organizing their daily activities, and introduce the proposed solution: **Monjez**, a platform designed to enhance these processes and boost productivity. We will provide a brief overview of the platform's features and user experience, which will be outlined through the objectives. Additionally, we will present the product vision, roadmap, and scope, which will define the boundaries of the platform. Finally, we will introduce the scrum team responsible for its development.

In the next section, we will define the problem and discuss the existing gaps that highlight the need for a more efficient and flexible platform like **Monjez**.

1.1   The Problem

Many people struggle with managing and organizing their daily tasks efficiently, often finding it difficult to prioritize their responsibilities and complete tasks on time. Many still rely on the traditional method of using pen and paper to jot down their tasks, which can be inconvenient and inefficient. This method lacks structure and engagement, making it easy for users to forget tasks or lose track of their progress. For example, a stay-at-home parent juggling multiple household responsibilities may find it challenging to keep track of daily chores and important errands. Similarly, a university student may struggle to keep track of assignment deadlines, causing tasks to pile up and be completed at the last minute. Therefore, there is a growing need for a platform that helps users digitally organize their tasks, stay motivated, and increase their productivity with ease. In the next section, we will explore how **Monjez** provides an intelligent and effective solution to enhance the task management experience.

1.2   The Solution

The solution we propose to the discussed problem is a website called **Monjez**, designed to simplify task management and help users stay organized and productive. The website provides a streamlined experience that enables individuals to track their tasks, set priorities, and stay committed to their responsibilities without feeling overwhelmed or distracted. **Monjez** focuses on making task management more flexible and motivating, helping users avoid forgetting important tasks and achieve their goals efficiently. By offering tools that support time organization and productivity enhancement, the website becomes an effective way for users to manage their daily responsibilities with clarity and ease. Additionally, **Monjez** includes a dedicated shopping list section that allows users to track items, specify quantities, and manage purchases easily, providing a more structured shopping experience unlike relying on pen and paper. This feature ensures users can efficiently handle both their daily tasks and shopping needs in one place.

In the next section, we will present the product vision for **Monjez**, outlining its objectives and how it aims to improve the user experience in task management.

1.3   The Product

1.3.1   Product Vision

For all people **who** want to organize and arrange their tasks and the items they need to buy in one place where they can easily find them, **The Monjez** is a website **that** helps users stay organized, motivated, and productive. It provides an intuitive and engaging task management experience, including a dedicated shopping list section to track items, specify quantities, and manage purchases easily. **Unlike** a "to-do" application. **Our product** offers a more flexible and motivating approach, incorporating productivity-enhancing tools and a seamless shopping list feature to ensure users stay committed to their responsibilities with ease and clarity.

In the next section, we will present the Product Roadmap for **Monjez** that outlines the key milestones and timeline for the development and deployment of the website.

1.3.2   Product Roadmap

In this section, we will show the Roadmap of **Monjez** website, which demonstrates how the website will be built and delivered over time, as shown in figure 1-1
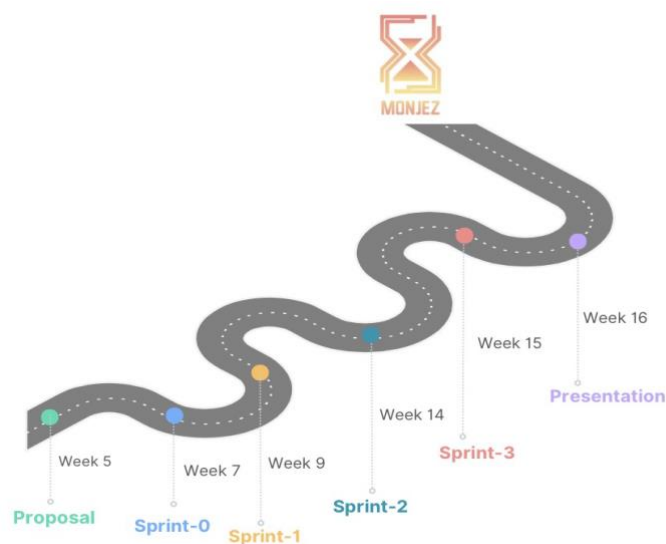

Figure 1-1 product roadmap

In the next section, we will present the Objectives of **Monjez** that outline the specific goals that the project aims to achieve.

1.3.3 Objectives

In this section, we will give a detailed breakdown of our objectives during our journey in developing **Monjez** website project across three levels: Product, Project and Learning.

Product Objectives (Customer Focus - Value):

o **User Account Creation**: Allow user to create an account to sign in the website and log in/out whenever they want

o **User-friendly Interface**: Design an intuitive and visually appealing interface for seamless navigation.

o **Task Management**: Allow users to create, edit, delete tasks effortlessly, and search and view all the added tasks.

o **Due Dates**: Enable users to set due dates to stay on track.

o **Priority Levels**: Provide options to categorize tasks by priority (low, medium, high) to aid in task management.

o **Progress Tracking**: Offer visual indicators or charts to help users track their task completion rates.

o **Customization Options**: Allow users to customize themes and layouts to enhance user experience.

o **Shopping List Categorization and Quantity Management**: Allow users to add items and specify their quantities and organize these items into categories.

Project Objectives (Solution Focus - Plan):

o **Market Research**: Conduct surveys and interviews to understand user needs and preferences.

o **Define Requirements**: Write detailed specifications for features based on user feedback.

o **Design UI/UX**: Create wireframes and prototypes for the website interface.

o **Develop Frontend**: Build the user interface.

o **Develop Backend**.

o **Testing and Quality Assurance**: Conduct user acceptance testing.

o **Gather Feedback**: Collect user feedback post-launch for future improvements.

Learning Objectives (Student Focus):

- **Agile Methodology**: Experience working in an agile development environment, including sprints.
- **Testing Strategies**: Learn various testing methodologies and tools to ensure code quality.
- **User-Centric Design**: Develop skills in gathering and analyzing user feedback to drive product improvements.
- **New Programming Language**: Gain proficiency in a programming language (XML).
- **Integrated Development Environments (IDEs)**: Gain proficiency in using an IDE (Visual studio).

In the next section, we will present the Scope for **Monjez** that will define the work required for achieving our projects goals.

1.3.4 Scope

In this section, we will define the limitations of our website and what is outside our scope, which will be considered for future work.

Monjez is a website compatible with all operating systems that support modern web browsers. It is designed to simplify task management and boost productivity. The website supports English and offers features such as task prioritization, adding, editing, deleting, viewing, searching, and a dedicated shopping list for easy tracking. **Monjez** provides an engaging and efficient way to stay organized effortlessly. Smart reminders or notifications are out of scope for this website, and it does not support multiple languages.

Scrum Team	
Product Owner:	Layal Alghamdi
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Scrum Master (SM):	Dr. Reem Alqifari
Stakeholders:	Dr. Reem Alqifari

Table 1-1 Define the scrum team.

1.4   References (IEEE):

[1] Grammarly, "Grammarly Plans," [Online]. Available: https://www.grammarly.com/plans. [Accessed: 03-Feb-2025].

[2] Design.com, "Logo Maker," [Online]. Available: https://www.design.com/s/logo-maker. [Accessed: 01-Feb-2025].