Software Requirements Specification for Todoist Application Tracker

1. Introduction

1.1 Purpose

The purpose of this document is to provide a comprehensive overview of the requirements for the development of the Todoist Application Tracker. This application is intended to enhance the functionality of the existing Todoist task management application.

1.2 Scope

The Todoist Application Tracker aims to extend the capabilities of Todoist by introducing features such as task tracking, analytics, and collaboration enhancements.

2. System Description

2.1 Overview

The Todoist Application Tracker will allow users to track and analyze their task management activities, set goals, and collaborate with others seamlessly.

2.2 Features

2.2.1 Task Tracking

- Users can create, edit, and delete tasks.
- Tasks can be categorized into different projects and labeled for better organization.
- Due dates and priorities can be assigned to tasks.

2.2.2 Analytics

- Provide graphical representation of task completion rates over time.
- Generate reports on productivity and completion trends.

2.2.3 Goal Setting

- Users can set personal and project-specific goals.
- Progress towards goals is tracked and displayed.

2.2.4 Collaboration

- Share tasks and projects with other users.
- Collaborative editing of shared tasks.

3. Functional Requirements

3.1 Task Tracking

3.1.1 Task Creation

- Users can create a new task by providing a title, description, due date, and priority.
- Tasks should be assignable to specific projects.

3.1.2 Task Editing

- Users can edit task details, including title, description, due date, and priority.

3.1.3 Task Deletion

- Users can delete tasks they no longer need.

3.2 Analytics

3.2.1 Graphical Representation

- Generate graphical charts to represent task completion rates and trends.

3.2.2 Reports

- Provide a mechanism to generate detailed reports on user productivity.

3.3 Goal Setting

3.3.1 Goal Creation

- Users can create personal and project-specific goals.
- Set criteria for goal completion.

3.3.2 Goal Tracking

- Display progress towards goals.
- Notify users upon goal completion.

3.4 Collaboration

3.4.1 Task Sharing

- Allow users to share tasks with other Todoist users.
- Define access levels for shared tasks.

3.4.2 Collaborative Editing

- Enable simultaneous editing of shared tasks by multiple users.

4. Non-functional Requirements

4.1 Performance

- The system should respond to user actions within 2 seconds.
- Scalability to support a growing user base.

4.2 Security

- Secure user data through encryption and secure authentication mechanisms.
- Implement access controls to prevent unauthorized access.

4.3 Reliability

- Ensure a 99.9% uptime for the Todoist Application Tracker.
- Implement regular data backups and recovery mechanisms.

4.4 Usability

- The user interface should be intuitive and easy to navigate.
- Provide documentation and tutorials for new users.

5. Constraints

- The system must be compatible with the latest versions of major web browsers.
- Compliance with data protection and privacy regulations.

6. Glossary

- Todoist: A popular task management application.
- Task: A unit of work to be completed, managed within Todoist.
- Project: A collection of tasks organized for a specific purpose.
- Goal: An objective set by the user to achieve within a specified timeframe.

7. Revision History

- Version 1.0: [Date] - Initial release.

This template serves as a starting point, and you should customize it according to the specific needs and features of your Todoist Application Tracker. Additionally, consider involving stakeholders in the review and approval of this document to ensure that it accurately captures their requirements and expectations.