TECHNISCHE HOCHSCHULE ULM - SOFTWARE PROJECT

SCRUMMY
1.0

USER MANNUAL
Detailed Guide

Content

1. Introduction

This User manual is made with the purpose to inform the user of the software Scrummy 1.0 purpose and how to exercise the functions of the software. This includes:

- The use of step-by-step function tutorials.
- Pictures to help the user identify the ui objects.
- Descriptions of features.
- System requirements.
- Information on roles and permissions within the software.

A. Software purpose

The purpose of scrummy as a software is to provide a platform for scrum process software project management. The tool is to be accessed and used by all the members of the development team.

Scrummy provides a safe, fast, reliable and scalable environment for work organization and software planning.

B. System structure

Scrummy is divided into two main structures, the database and the main executable. The database is hosted on a student trial plan from Amazon Web Services server. The main executable consists of the compiled c++ software developed with the QT framework.

C. General information

Scrummy presents the user a number of functionalities that are invaluable for Scrum software project management. Some of these features are:

- User story/task creation, assignment and visual representation in a ui board
- Sprint creation, management and task assignment to sprints
- Team member access to scrummy and management
- Calendar and confluence features
- Project creation/deletion and editing

2. Roles Permissions

1. **Permissions:**
   a. **Scrum Master/Product Owner:**
      i. Creating tasks
      ii. Editing tasks
      iii. Deleting tasks
      iv. Adding/removing team members to/from the project
      v. Changing the roles of team members
      vi. Creating sprints
      vii. Editing sprints
      viii. Deleting sprints
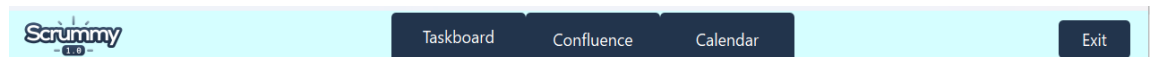   ix. Managing the backlog
      x. Calendar and Confluence access
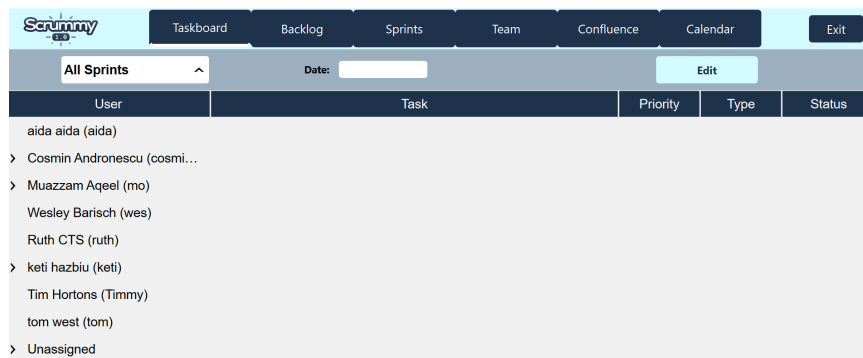
   b. **Admin:**
      i. Has all the Scrum Master/Product Owner's rights
      ii. Creating a project
      iii. Deleting a Project
      iv. Editing a Project
   c. **Team Member:**
      i. Has access only to Tasksboard, Confluence and Calendar tabs
      ii. Editing tasks(not priority)
      iii. Calendar and Confluence access.

3. Registration and Sign-In Process

Sign In to SCRUMMY 1.0
 Enter your **Username** and **Password** and click the **Sign In** button.
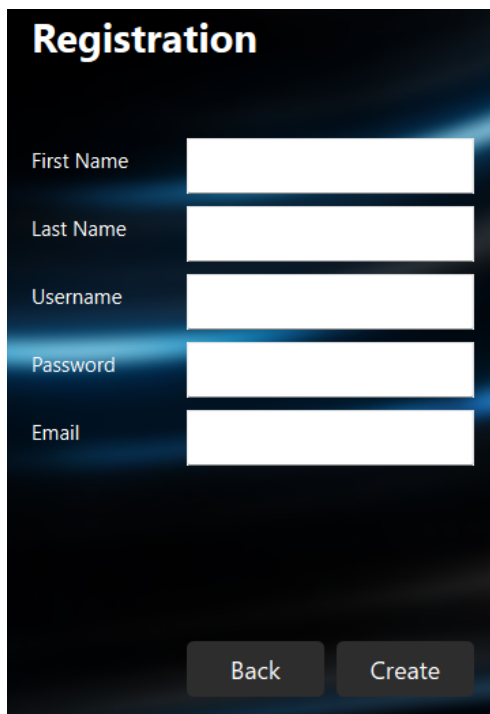
Register for an account
If you do not have a user account and SCRUMMY 1.0, you can create your user account. Below are listed the steps.

1. Click on the **REGISTER** button
2. Enter your details.
3. Click the **REGISTER** button to create your account.

4. Fill in the user data accordingly
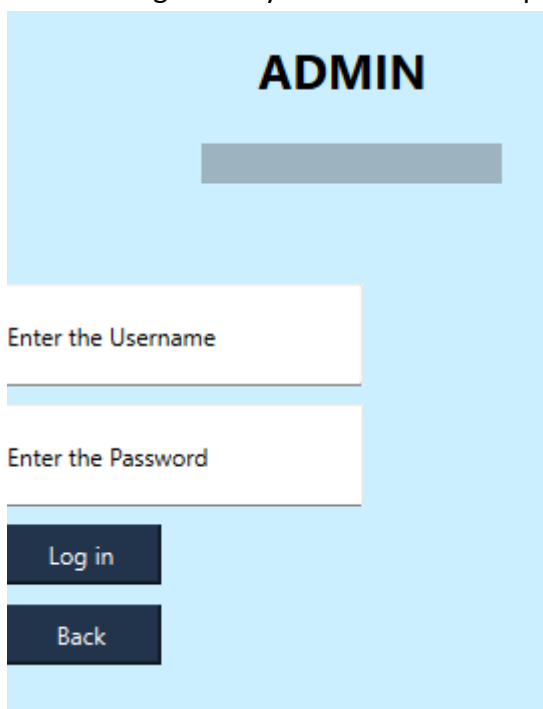
4. Admin Page

In order to access the admin page, open Scrummy and during the login screen, press control+alt+d. The admin button will appear in the top right corner.

Clicking it will take you to the admin login screen. Once there, log in with the credentials given to you in the software purchase.

Creating a project

To create a new project, click the Create Project button and follow the text input windows for project name and description.

Deleting a project

To delete a project, select the row of the project you wish to delete and press the "Delete Project" button.

	Projects	Delete Project	Create Project	Edit Project

	Project Name	Project Description	Project id
1	Scrummy	Software Project	1
2	Informatik	TestProject	2
3	PBLTest	PBLTest	31

Editing a project

To edit a project as admin, select the row of the desired project and click the "Edit Project" button. The main window for that project will be opened with manager permissions.

5. Pages

a. Project Selection

After the User has signed in, all the projects that he is involved in will be shown, he can then select the specific project that he wants to work on.

Scrummy | | Back

Select a Project

	Project Name	Description
1	Scrummy	Software Project

b. Main-Board

i. Task Board

Editing Tasks and User Stories that are part of the selected project
Select the taskboard tab on the project window:

Scrummy | Taskboard | Backlog | Sprints | Team | Confluence | Calendar | Exit

Viewing:

Tree list table consisting of five columns - **User (Full name and Username), Task (Title), Priority, Type, Status.** The column tabs are resizable.

- Users and their assigned Tasks and User Stories can be viewed in the list.
- Unassigned Tasks or User Stories are part of a separate group called "Unassigned."
- Double-clicking or clicking on the left arrow of a User/Unassigned group will reveal all Tasks/User Stories assigned to them.

User	Task	Priority	Type	Status
aida aida (aida)				
❯ Cosmin Andronescu (cosmin01)				
❯ Muazzam Aqeel (mo)				
	Hello		Task	In Progress
	Mouse		User Story	To Do
	Test_4		User Story	In Progress
	Test_4		User Story	In Progress
Wesley Barisch (wes)				
Ruth CTS (ruth)				
❯ keti hazbiu (keti)				
Tim Hortons (Timmy)				
wes santos (wesantos)				
tom west (tom)				
❯ Unassigned				
	2nd attempt	Medium	User Story	In Progress

Sprint Selection Dropdown List:

All Sprints
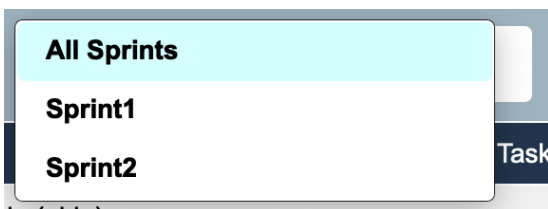
Sprint1

Sprint2

Selecting a sprint from the sprint dropdown will filter content viewed in the list based on the assigned sprint.

The first option "All Sprints" will show all Tasks and User Stories assigned to all sprints.

The start and end dates are also displayed.

Sprint1 ^   02.02 - 01.06

Editing:
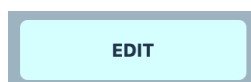
EDIT

Clicking the "Edit" button will open and close the Edit section on the right side of the list.

The Edit section contains Title, Description, Status Text Boxes, and Assignee, and Sprint Dropdown Lists.

User	Task
aida aida (aida)	
› Cosmin Andronescu (cosmin01)	
› Muazzam Aqeel (mo)	
Wesley Barisch (wes)	
Ruth CTS (ruth)	
› keti hazbiu (keti)	
Tim Hortons (Timmy)	
wes santos (wesantos)	
tom west (tom)	
› Unassigned	

EDIT

Title

Description

Status

Assignee ⌃

Sprint ⌃

Double-clicking on a Task/User Story will show details of the selection in the Edit section.

The "Save" button will update any changes made for the selected Task/User Story in the database.

User	Task	Priority	Type	Status
aida aida (aida)				
› Cosmin Andronescu (cosmin01)				
› Muazzam Aqeel (mo)				
Wesley Barisch (wes)				
Ruth CTS (ruth)				
› keti hazbiu (keti)				
Tim Hortons (Timmy)				
wes santos (wesantos)				
tom west (tom)				
⌄ Unassigned				
	Unassigned User Story	Medium	User Story	In Progress

USER STORY

Title: Unassigned User Story

Description: Description Example for Unassigned User Story

Status: In Progress

Assignee: Unassigned ⌃

Sprint: Sprint1 ⌃

Save

ii.   **Backlog**

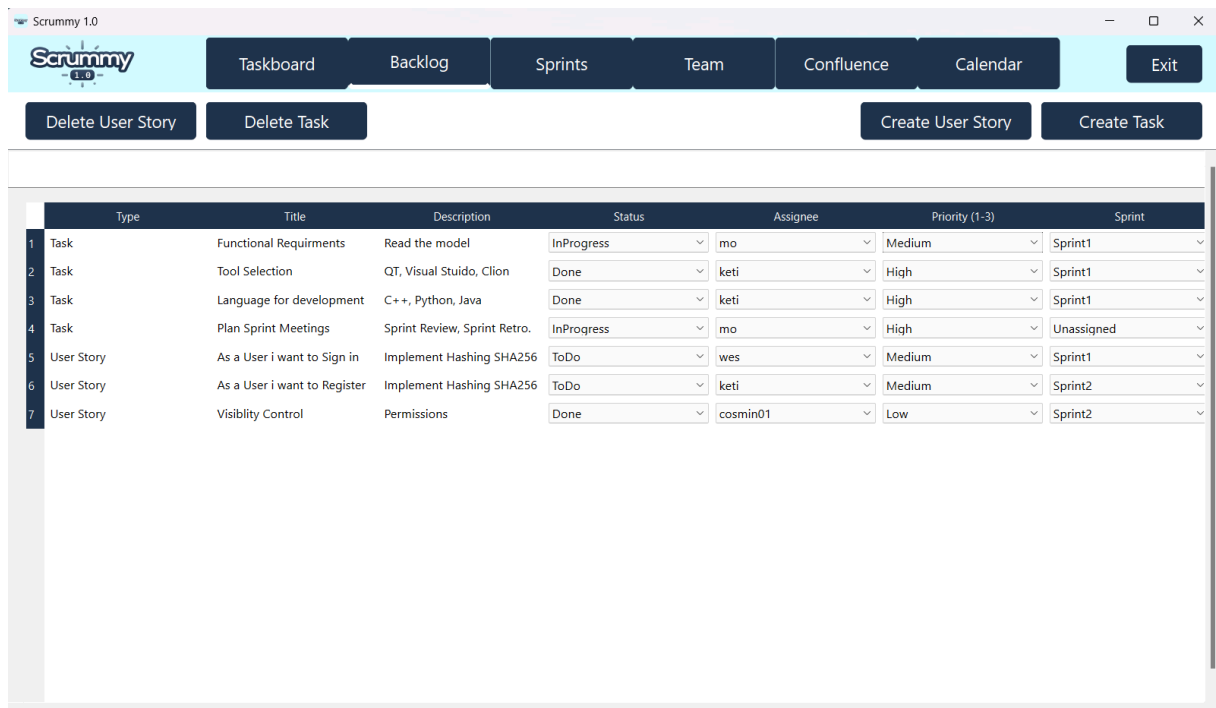|	Type	Title	Description	Status	Assignee	Priority (1-3)	Sprint
1	Task	Functional Requirments	Read the model	InProgress	mo	Medium	Sprint1
2	Task	Tool Selection	QT, Visual Stuido, Clion	Done	keti	High	Sprint1
3	Task	Language for development	C++, Python, Java	Done	keti	High	Sprint1
4	Task	Plan Sprint Meetings	Sprint Review, Sprint Retro.	InProgress	mo	High	Unassigned
5	User Story	As a User i want to Sign in	Implement Hashing SHA256	ToDo	wes	Medium	Sprint1
6	User Story	As a User i want to Register	Implement Hashing SHA256	ToDo	keti	Medium	Sprint2
7	User Story	Visiblity Control	Permissions	Done	cosmin01	Low	Sprint2

Product Backlog is one of the core modules of this software. The purpose if you are familiar with basic Sprint Concepts is to provide an interface for Project Managers (Product Owner, Scrum Master) to manage tasks and User Stories of an ongoing project.

Information regarding the buttons:

1. **Create User Story**
   This button allows you to create a new user story in the system
2. **Create Task**
   This button allows you to create a new task in the system
3. **Delete User Story**
   For this you need to first select and click on a row that has the type "User Story"
   a. How you can do that is by simply clicking on the numerical value which is on the left side of the table and to delete that user story simply press the button itself
4. **Delete Task**
   For this you need to first select and click on a row that has the type "Task"
   a. How you can do that is by simply clicking on the numerical value which is on the left side of the table and to delete that user story simply press the button itself

Information regarding Table:

Sections

1. **Type**
   Has two categories, indicating which row represents a task or a user story.
   a. To Edit (Double click on the field)
2. **Title**
   Holds the information regarding the title of a user story or a task.

        a.   To Edit (Double click on the field)
3. **Description**
Holds the information regarding the description of a user story or a task.
        a.   To Edit (Double click on the field)
4. **Status**
Holds the information regarding the status of a user story or a task.
        a.   Options that you can select
            i.   High
           ii.   Medium
          iii.   Low
        b.   To Edit (Select the options from the combo box)
5. **Assignee**
Holds the information regarding who is assigned to this specific user story or task
6. **Priority**
Holds the information regarding the priority of a user story or a task
        a.   Options that you can select
            i.   High
           ii.   Medium
          iii.   Low
        b.   To Edit (Select the options from the combo box)
7. **Sprint**
Using the combo box you can send a user story or a task to a specific sprint of a project that you are signed in

iii.   <u>Sprint</u>

Deleting:

Click on the row you want to delete and after press the "Delete Sprint" button.

Creating a new Sprint:

Press the "Create Sprint" button and the Create Sprint section will be open on the right side of the list. Enter the Title, Start Date, End Date, Sprint Goal and after press the button "Create".

Sprint Details

In order to see some additional details of a Sprint press the button "Click Here" of that specific Sprint and Sprint Details section will be open on the right side of the list.
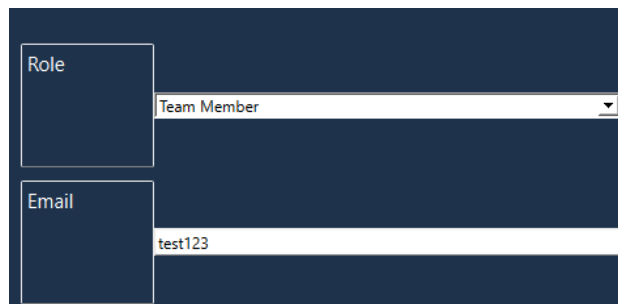
Editing:

In order to edit a Sprint press the button "Click Here" of that specific Sprint and Sprint Details section will be open on the right side of the list. Edit the field you want to edit and after press the "Save" button.

iv.   <u>Team</u>

Select the team tab on the project window
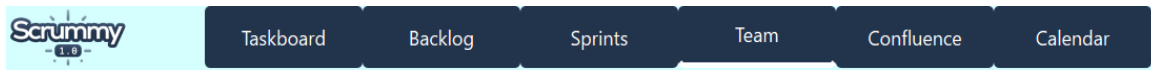
Adding a user to the project

Select the desired role to be assigned to the user being added to the project and write their email in the text box:
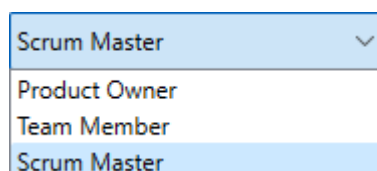
Remember that the user must already be registered to Scrummy to be added to a project.

Next, click the button "Add User".

If there is already a user with that email in the project, or the email is not registered in the database, an error message will appear.

Editing a user's role in the project

To edit a user's role in the project, click the dropdown menu and select the desired role in the "Role" column of the user.

Remove a user from the project

To remove a user from the project, first select the user on the table (either First name, Last name, or Email columns belonging to the user).

	First name	Last name	Email	Role
1	Muazzam	Aqeel	muazzamaqeel14@gmail.com	Scrum Master

Then click the "Remove User" button on the top right corner .
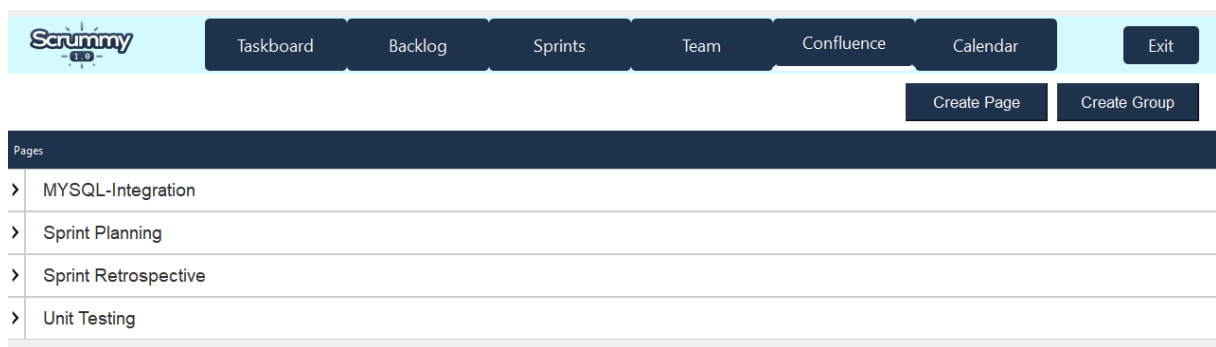
v. Confluence

Confluence is a team workspace where knowledge and collaboration meet. Dynamic pages allow your team to create, capture, and collaborate on any project or idea.

Select the Confluence tab on the project window:

Main View

Creating a group

Click the "Create Group" button to initiate the group creation process. The "Group and Page Creation" window will open. Enter a group name and click the "Create Group" button at the bottom of the window.

Creating a page

Click the "Create Page" button to initiate the page creation process. The "Group and Page Creation" window will open. Enter a page name, and a group name a page belongs to and click the "Create Page" button at the bottom of the window.
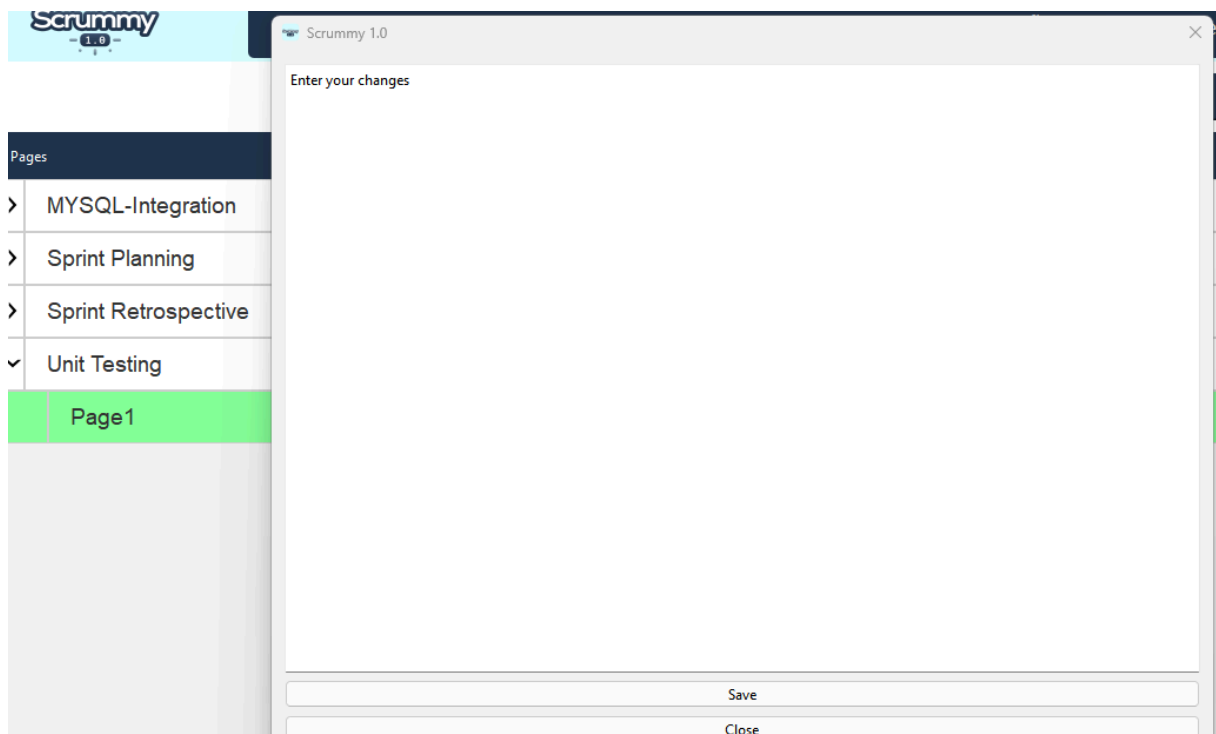

Editing Page Content

Select the "Confluence" tab in the project window. Choose the project name from the list in the "Pages" section. From the drop-down menu, select the page name you want to edit by double-clicking.
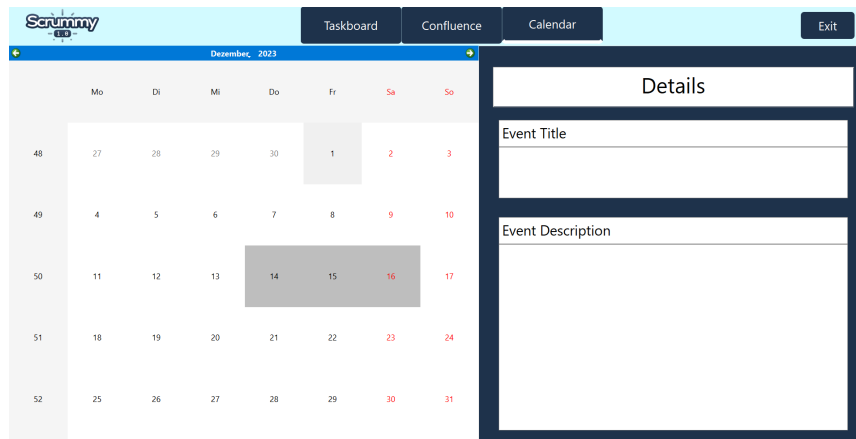
Enter your changes and click the "Save" button.

vi.   **Calendar**

The calendar is part of the Scrummy and when a date is selected it displays what event is allocated for that date and also the details about the event.

System Requirements

1. Purpose of this section

The "System Requirements" section is designed to provide users with detailed information about the hardware and software prerequisites for installing and efficiently running SCRUMMY 1.0. This section aims to help users verify whether their current system setup is compatible with the software, thereby ensuring a smooth installation process and optimal operational performance.

2. Official Minimum Requirements

- **Operating System:** Windows 10 64-Bit (minimum supported version)
- **CPU:** Intel Core i3 or equivalent AMD processor
- **RAM:** 4GB RAM (8GB recommended for databases larger than 2GB)
- **Storage:** 20GB free space (more required for larger databases)
- **Database:** Compatible with MySQL 5.7/PostgreSQL 10 or newer
- **Network:** Broadband Internet connection for remote database connections

3. Official Recommended Requirements

- **Operating System:** Windows 11 64 Bit (latest Service Pack)
- **CPU:** Intel Core i5 or equivalent AMD Ryzen processor
- **RAM:** 8GB RAM (16GB recommended for databases larger than 10GB)
- **Storage:** 50GB free space or more, depending on the database growth
- **Database:** Compatible with MySQL 8.0/workbench or newer, with proper configuration for performance optimization
- **Network:** High-speed broadband Internet connection for heavy remote database traffic

Additional Features

1. **Purpose of this Section**

   This section is dedicated to outlining the unique and advanced features of SCRUMMY 1.0. Here, we highlight the functionalities that enhance user experience, improve efficiency, and provide value beyond the standard expectations. These features are designed to meet our users' specific needs and ensure that our software stands out in its field.

2. **Key Features**

   - **Smart Data Handling:** Leverage the power of MySQL Workbench for seamless data management. Our software simplifies complex data tasks, offering an intuitive platform for efficiently handling and analyzing your information.
   - **Robust Security Protocols:** Protect your sensitive information with our advanced security features. SCRUMMY 1.0 employs stringent data encryption and user access controls, safeguarding your data against unauthorized access and breaches, thereby prioritizing privacy and security.
   - **Email Notification:** Task assignments notify the assignee via Email messages allowing the team member to be notified even when not accessing scrummy.