CSC 431

Dashboard

Software Requirements Specification (SRS)

<Team number>

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Version History

Version	Date	Author(s)	Change Comments
1.0	02/17/20	ProjectU	Added project name
		Julio Perez	General Comment about writing use cases and how to detail the Basic Flow
1.2	2/16/18	Dashboard	Added the UML
1.3	2/24	Izzy	Updated the UML
1.4	2/24	Dashboard	updating the tables to completeness and fixed the diagram

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1. System Requirements
1.1. Functional Requirements
1.1.1. Sign up page

ID	FR1
Title	Sign up page
Description	A form to allow new users to create an account and then access the task tracker
Priority	0
Precondition(s)	Navigate to the website to the login/register landing page
Basic Flow	User clicks sign up button to open form User enters desired email and password for account User presses submit and their information is saved to the account database User directed to login page
Postconditions(s)	User directed to login page and can access task tracker
Use Case Diagram	3.1

1.1.2. Login page

ID	FR2
Title	Login page
Description	A form for users to enter their existing account information and log in to their personalized task tracker. The activity has options for company login or personal, but it is personal by default.
Priority	0
Precondition(s)	User account has already been created
Basic Flow	Navigate to landing and login page User enters email and password to login Password forgotten, click link and it will send the option to reset the password to the email filled in in the login form User clicks login button Username and password are checked against the database Redirects to task tracker dashboard
Postconditions(s)	The user will have access to create and manage tasks
Use Case Diagram	3.1

1.1.3. Calendar

ID	FR3
Title	Calendar
Description	Tasks in a calendar view. The calendar can be shown by week or month and on each day displays what task is due. The tasks will be colored according to their respective category color.
Priority	0
Precondition(s)	User is logged in
Basic Flow	User clicks to toggle to calendar view. User can select to view the tasks for the week or the month can also choose to jump forward or backward a week or month Click on plus to add task to a specified date Click on an existing task to modify its details (change due date, category, title, etc)
Postconditions(s)	The user will be able to add and track his tasks

Use Case Diagram	3.1

1.1.4. Task Creation Modal

ID	FR4
Title	Task Creation Modal
Description	Modal where users will create their task and add necessary details. The user will be able to create the task with a title and default settings that can be customized later(category, due date, priority, description, and timer).
Priority	0
Precondition(s)	User must be logged in and on the calendar or list view of the tasks.
Basic Flow	Render task creation modal Fill out task title, description, due date, etc. Button to click submit Save task to database Redirect to previous view (list or calendar)
Postconditions(s)	A task will be created
Use Case Diagram	3.1

1.1.5. Task Tracker

ID	FR5
Title	Task Tracker
Description	Ultimate view for the calendar that shows the tasks in a list which are sorted depending on the category, priority, and due date. When you click on a task, it will give you more details.
Priority	2
Precondition(s)	User must be logged in to see their tasks
Basic Flow	Render task tracker widget as list Set sorting criteria Sort tasks Click on a task Load modal with information from database Update and add information as needed Close/ save the task Show details for specified task in the main tracking list view
Postconditions(s)	The user will be able to get details on tasks
Use Case Diagram	3.1

1.1.6. Task Tracker Timer

ID	FR6
Title	Task Tracker Timer
Description	It allows the user to set a designated time frame for the task. You can start and stop the timer while you are working on it.
Priority	3
Precondition(s)	Having created a task
Basic Flow	Render timer creation form Link to specific task Set time frame for task Button to submit Save timer to database section related to specified task
Postconditions(s)	A timer will be created to track a specific task

Use Case Diagram	3.1

1.1.7 Settings

ID	FR7
Title	Settings
Description	Allow users to personalize the calendar (such as changing the color) and manage their profile (such as change the username, email, and/or password)
Priority	0
Precondition(s)	Having an account
Basic Flow	User selects the settings tab The settings windows is opened, listing different options for the user (change appearance, manage profile) The user can change their username, email, and/or password information, or modify the appearance of the calendar, and press save to confirm the change The changes are applied to the account
Postconditions(s)	The account settings will be modified accordingly
Use Case Diagram	3.1

1.2. Non-Functional Requirements
1.2.1. Alert Badge

ID	NFR1
Title	Alert Badge
Description	After the user logs in, it will display a badge of the number of tasks that are due in the webpage tab.
Priority	5
Applicable FR(s)	Task tracker (1.1.5) and task tracker timer (1.1.6)

1.2.2. Password Recovery

ID	NFR2
Title	Password Recovery
Description	After the user selects that they have forgotten their password, an email will automatically be sent to the email on file allowing an option to reset the password.
Priority	2
Applicable FR(s)	Login Page (1.1.2)

1.2.3. Fill Out Email Prompt

ID	NFR3
Title	Alert Window
Description	The email box will flash red if the email box has not been filled when pressing the forgot password button
Priority	5
Applicable FR(s)	Login Page (1.1.2)

1.2.4. Login Failure Prompt

ID	NFR1

Title	Alert Window
Description	After the user attempts to log-in and fails validation, a text prompt will appear asking the user that they have been unable to log-in and to check that their information has been inputted correctly
Priority	5
Applicable FR(s)	Login Page (1.1.1)

2. System Constraints
2.1. Tool Constraints
< List all tool constraints in the following example format >
2.1.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.2. Language Constraints
< List all language constraints in the following example format >
2.2.3. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.3. Platform Constraints
< List all platform constraints in the following example format >
2.3.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.4. Hardware Constraints
< List all hardware constraints in the following example format >
2.4.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.5. Network Constraints
< List all network constraints in the following example format >
2.5.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.6. Deployment Constraints
< List all deployment constraints in the following example format >
2.6.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.7. Transition & Support Constraints
< List all transition & support constraints in the following example format >
2.7.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.8. Budget & Schedule Constraints
< List all budget & schedule constraints in the following example format >
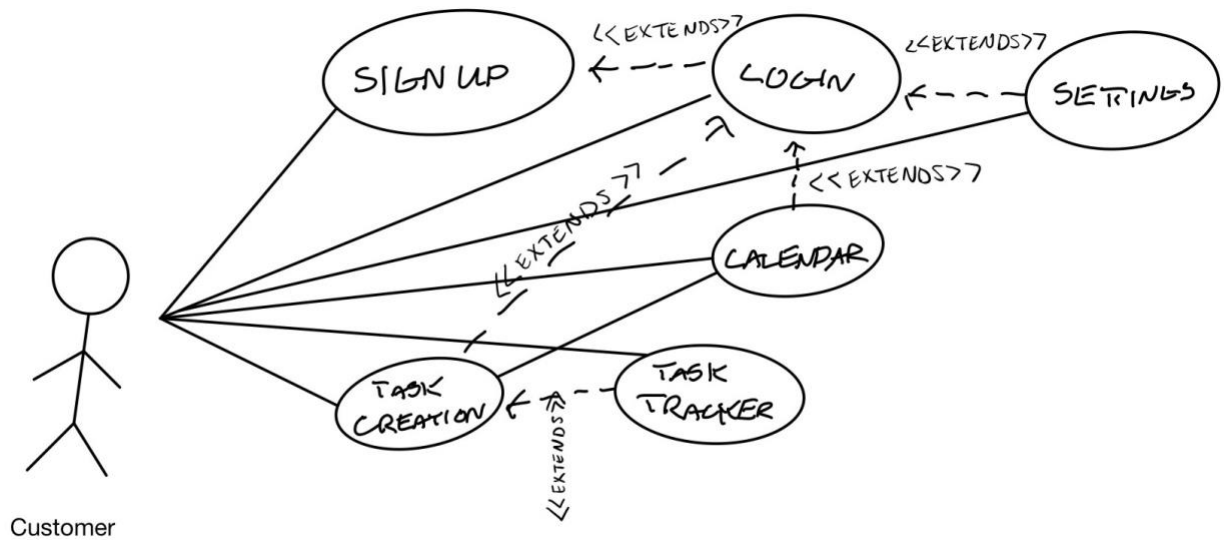## 2.8.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

2.9. Miscellaneous Constraints
< List all miscellaneous constraints in the following example format >
2.9.1. Requirement Title

ID	<a unique ID for the constraint, e.g., C1)>
Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>

3. Requirements Modeling
< List all Use-case diagrams for the functional requirements in the following format>

3.1. Dashboard Diagram

Customer

4. Evolutionary Requirements
4.1. Functional Requirements
< List all functional requirements in the following example format >

4.1.1. Requirement Title

Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>
Precondition(s)	<What needs to happen before>
Postconditions(s)	<What happens as a result>
Use Case Diagram	<Link or number, if present>

4.2. Non-Functional Requirements
< List all non-functional requirements in the following example format >

4.2.1. Requirement Title

Title	<Insert title>
Description	<A one or two sentence description>
Priority	<Priority from 0 (highest) – 5 (lowest)>
Applicable FR(s)	<Which functional requirement(s) is this applicable to?>