

**CSC 431**

**UPlan**

# **Software Requirements Specification (SRS)**

**<Team #5>**

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# Version History

Version	Date	Author(s)	Change Comments
1.0.0	1.23.2021	Jonathan Raskauskas, Mariana Baquero, Dana Feeney	Creating the first draft

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# 1. System Requirements

## 1.1 Functional Requirements

### 1.1.1 Landing Page

Title	Landing Page
Description	The landing page will consist of a button to login and a button to create a user profile as well as a graphic with our application's title.
Priority	0
Precondition(s)	App graphic needs to be developed
Basic Flow	<ul style="list-style-type: none"><li>- The application will open to this page if a user is not already logged in.</li><li>- Through this page they will be able to perform 2 interactions, logging in or creating a user profile.</li></ul>
Postconditions(s)	The login page and the user profile creation page need to be functional in order to continue the interaction.
Use Case Diagram	<Link or number, if present>

### 1.1.2 Login Page

Title	Login Page
Description	The login page will consist of two entry fields, one for username and one for password, with a button to login as well as a graphic with our application's title. There will also be a smaller option to create a profile under the login button in case a user goes to the login page without creating a profile.
Priority	0

Precondition(s)	Landing page, login functionality, and user profile storage need to be created
Basic Flow	<ul style="list-style-type: none"> <li>- Users will enter their username and password into the entry fields.</li> <li>- If the user profile exists and the information is correct, they will be taken to the home page.</li> <li>- If the username or password is incorrect the user will receive a red notification below the field to inform them that the entry is incorrect.</li> <li>- If the username is incorrect and they will be that the username is either wrong or does not exist. They will have the option to hit the create user profile button which will take them to the user profile creation page.</li> <li>- If the password is wrong they will be told that it is incorrect and to try again.</li> </ul>
Postconditions(s)	If the user successfully logs in they will be taken to the homepage to their dashboard
Use Case Diagram	<Link or number, if present>

### 1.1.3 Home Page

Title	Home Page
Description	This is the page that will appear after you have logged in. It will act as a directory that you can choose menu options from. From this page you will be able to select whether you would want to create a new task or event, or just view your calendar
Priority	1
Precondition(s)	Login
Basic Flow	Landing Page to Login to Home Page
Postconditions(s)	None
Use Case Diagram	

### 1.1.4 Logout Page

Title	Logout Page
Description	Users will log out from the service with the aid of a button
Priority	5
Precondition(s)	Login, User will use the UPlan service with the home page, planner, and to do list.
Basic Flow	<ul style="list-style-type: none"> <li>- User will select logout on their dashboard and will receive a prompt that asks them if they'd like to logout.</li> </ul>
Postconditions(s)	Will be directed to landing page where users can close the tab or log in again
Use Case Diagram	

### 1.1.5 User Profile Creation

Title	User Profile Creation
Description	New users will be able to create a profile in order to use service. Will need username, password, and email.
Priority	1
Precondition(s)	This is the first step of using the UPlan application. To access this page they will first visit the landing page.
Basic Flow	<ul style="list-style-type: none"> <li>- User will enter email, username, password and password confirmation.</li> <li>- If the email and username are not in use and the passwords match, the user will be created and redirected to the home page.</li> <li>- If the username or email are already taken the user will be given an error and prompted to choose a different username or email respectively.</li> <li>- If the passwords do not match, the user will receive an error and asked to reenter the passwords.</li> </ul>
Postconditions(s)	User will be directed to home page
Use Case Diagram	

### 1.1.6 Planner Page



Title	Planner Page
Description	An overview of your events that you can filter based on a daily, weekly, monthly, or yearly view. Button to create a task.
Priority	2
Precondition(s)	Login
Basic Flow	<ul style="list-style-type: none"> <li>- Login has already occurred</li> <li>- Interaction mainly comes from viewing this page</li> <li>- A layout of a calendar, with a dropdown that lets you filter based on a time selection</li> </ul>
Postconditions(s)	None
Use Case Diagram	

### 1.1.7 Event Creation Page

Title	Event Creation Page
Description	A page that can be accessible front the homepage or planner page. It will allow you to create events that will populate on your planner page. You can add dates, title, location, and priority (colors). Allows you to submit the event
Priority	3
Precondition(s)	Login
Basic Flow	<ul style="list-style-type: none"> <li>- Login has already occurred</li> <li>- Interaction mainly comes from creating a new event within this page</li> <li>- A layout of questions about date, duration, location, and priority</li> <li>- Submit button</li> </ul>
Postconditions(s)	Planner Page updates to reflect the new event that was just created and submitted
Use Case Diagram	

### 1.1.8 To Do Page

Title	To Do Page
Description	In this page you will be able to view your tasks and their prioritization. Allows you to mark tasks as complete.
Priority	2
Precondition(s)	Login
Basic Flow	<ul style="list-style-type: none"> <li>- Login has already occurred</li> <li>- Interaction mainly comes from viewing this page</li> <li>- A layout of a task list with colors for prioritization and a button that lets you finish the task</li> </ul>
Postconditions(s)	None
Use Case Diagram	

### 1.1.9 Task Creation Page

Title	To Do Page
Description	A page that can be accessible front the homepage or to-do page. It will allow you to create tasks that will populate on your to-do page. You can add title and priority (colors). Allows you to submit the task.
Priority	3
Precondition(s)	Login
Basic Flow	<ul style="list-style-type: none"> <li>- Login has already occurred</li> <li>- Interaction mainly comes from creating a new task within this page</li> <li>- A layout of questions about title and priority</li> <li>- Submit button</li> </ul>
Postconditions(s)	None
Use Case Diagram	

## 1.2 Non-Functional Requirements

## 1.2.1 Reminder Notifications

Title	Reminder Notifications
Description	Users will receive in browser, text, and email notifications notifying them of upcoming tasks or events
Priority	4
Applicable FR(s)	Task Creation Page, To Do Page, Planner Page, Event Creation Page

## 2. System Constraints

### 2.1 Tool Constraints

*< List all tool constraints in the following example format >*

#### 2.1.1 Requirement Title

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 >*

#### 2.2.1 Requirement Title

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

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

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

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

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

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

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

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 >*

### 3.1.1 Requirement Title

## 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?>