

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
2.0.0	3.09.2021	Jonathan Raskauskas, Mariana Baquero, Dana Feeney	Second draft; fixed names of functional requirements and finished the document

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1. System Requirements

1.1 Functional Requirements

1.1.1 View Landing Page

Title	View 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"> - The application will open to this page if a user is not already logged in. - Through this page they will be able to perform 2 interactions, logging in or creating a user profile.
Postconditions(s)	The login page and the user profile creation page need to be functional in order to continue the interaction.
Use Case Diagram	3.1

1.1.2 Login

Title	Login
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"> - Users will enter their username and password into the entry fields. - If the user profile exists and the information is correct, they will be taken to the home page. - 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. - 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. - If the password is wrong they will be told that it is incorrect and to try again.
Postconditions(s)	If the user successfully logs in they will be taken to the homepage to their dashboard
Use Case Diagram	3.1

1.1.3 View Homepage

Title	View Homepage
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	<ul style="list-style-type: none"> - Landing Page to Login to Home Page
Postconditions(s)	None
Use Case Diagram	3.1

1.1.4 Logout

Title	Logout Activity
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	User will select logout on their dashboard and will receive a prompt that asks them if they'd like to logout.
Postconditions(s)	Will be directed to landing page where users can close the tab or log in again
Use Case Diagram	3.1

1.1.5 Create User Profile

Title	Create User Profile
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"> - Users will enter email, username, password and password confirmation. - If the email and username are not in use and the passwords match, the user will be created and redirected to the home page. - 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. - If the passwords do not match, the user will receive an error and asked to reenter the passwords.
Postconditions(s)	User will be directed to home page
Use Case Diagram	3.1

1.1.6 View Planner

Title	View Planner
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"> - Login has already occurred - Interaction mainly comes from viewing this page - A layout of a calendar, with a dropdown that lets you filter based on a time selection
Postconditions(s)	None
Use Case Diagram	3.1

1.1.7 Create Event

Title	Create Event
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"> - Login has already occurred - Interaction mainly comes from creating a new event within this page - A layout of questions about date, duration, location, and priority - Submit button
Postconditions(s)	Planner Page updates to reflect the new event that was just created and submitted
Use Case Diagram	3.1

1.1.8 Create To Do

Title	Create To Do
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"> - Login has already occurred - Interaction mainly comes from viewing this page - A layout of a task list with colors for prioritization and a button that lets you finish the task
Postconditions(s)	None
Use Case Diagram	3.1

1.1.9 Create Task

Title	Create Task
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"> - Login has already occurred - Interaction mainly comes from creating a new task within this page - A layout of questions about title and priority - Submit button
Postconditions(s)	None
Use Case Diagram	3.1

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

2.2 Language Constraints

2.2.1 HTML

Title	HTML
Description	A knowledge of HTML will be needed since UPlan will be a web page. All of the deliverables will include some sort of PHP
Priority	0

2.2.2 CSS

Title	CSS
Description	Along with HTML, CSS will be used to style the web pages.

Priority	1
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2.2.3 Javascript

Title	Javascript
Description	Any features such as animations or interactive behavior within UPlan will be programmed using Javascript; therefore, experience with Javascript is needed.
Priority	2

2.2.4 PHP

Title	PHP
Description	If Javascript is not applicable, PHP can also be used in order to program interactive features within the webpage.
Priority	2

2.2.5 SQL

Title	SQL
Description	SQL is a database service that will hold the information of the created users. This is extremely important to allow log in capabilities and personalized landing pages for each user.
Priority	3

2.3 Platform Constraints

2.3.1 Browser

Title	Browser
Description	An individual has to have an up to date web browser to be able to access UPlan.
Priority	0

2.4 Hardware Constraints

2.4.1 Necessary Hardware: Cell phone, Laptop, or Desktop

Title	Cell phone, Laptop, or Desktop with web browser needed
Description	In order to access, UPlan, a cell phone, laptop, or desktop with a web browser and internet connection is needed
Priority	0

2.5 Network Constraints

2.5.1 Network Connection

Title	Network Connection
Description	In the case of a person using our platform and their internet goes out, there should be no capability to use our platform
Priority	0

2.6 Deployment Constraints

2.7 Transition & Support Constraints

2.7.1 Github Version Control

Title	Github Version Control
Description	We will use and maintain a Github Repository as a version control for the code we write.
Priority	1

2.8 Budget & Schedule Constraints

2.8.1 Budget

Title	Budget
Description	\$0 because we are students
Priority	5

2.8.2 Due Date

Title	Due Date
Description	Needs to be done by the due date for class.
Priority	0

3. Requirements Modeling

3.1.1 UML Use Case Diagram

