
EE/CprE/SE 491 WEEKLY REPORT 5

02/28/2022 - 03/06/2022

Group Number: 6

Project Title: JA Time Management App

Client: Jewels Academy

Faculty Advisor: Rachel Ann Shannon

Team Members - Role:

Adrian Van Der Veer - Team Organization

Olusola Ogunsola - UI Design

Ben Hourigan - File Consistency/Organization

Christopher Burgos - Client interaction

Theron Gale - Individual Component Design

Weekly Summary:

Past Week Accomplishments:

- Created the scope document for our project [link here](#) (See file under Other Documents) - All
- Narrowed down technologies for creating the project - All
 - Decided on Xamarin, which uses C#
 - Visual Studio IDE
 - Started getting the Git repository set up
- Sent out survey for the Jewels Academy students to determine pros and cons of our previous UI designs - Chris

- Created a prototype system architecture diagram off of the whiteboard diagram from roughly two weeks ago - Sola

Pending Issues:

- Questions with our server whether it would be a google cloud server or just an Iowa state server

Individual Contributions:

<u>Name</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours Cumulative</u>
Adrian Vanderveer	Attended all meetings, wrote the system features section of the scope document, wrote the risks table for the scope document, and proofread and edited the scope document.	6	26
Christopher Burgos	Attended meetings, reached out to clients for future meetings, wrote the introduction portion of our scope and helped around with whatever needed to be edited. Presented the scope document to our client. Also sent out surveys	4	20
Theron Gale	Attended all meetings, wrote the overall description and the external interface requirements sections for the scope document.	4	21
Ben Hourigan	Attended all the weekly meetings, brainstormed and wrote down the technologies section of the scope document.	4	21
Olusola Ogunsola	Attended all weekly	4	19

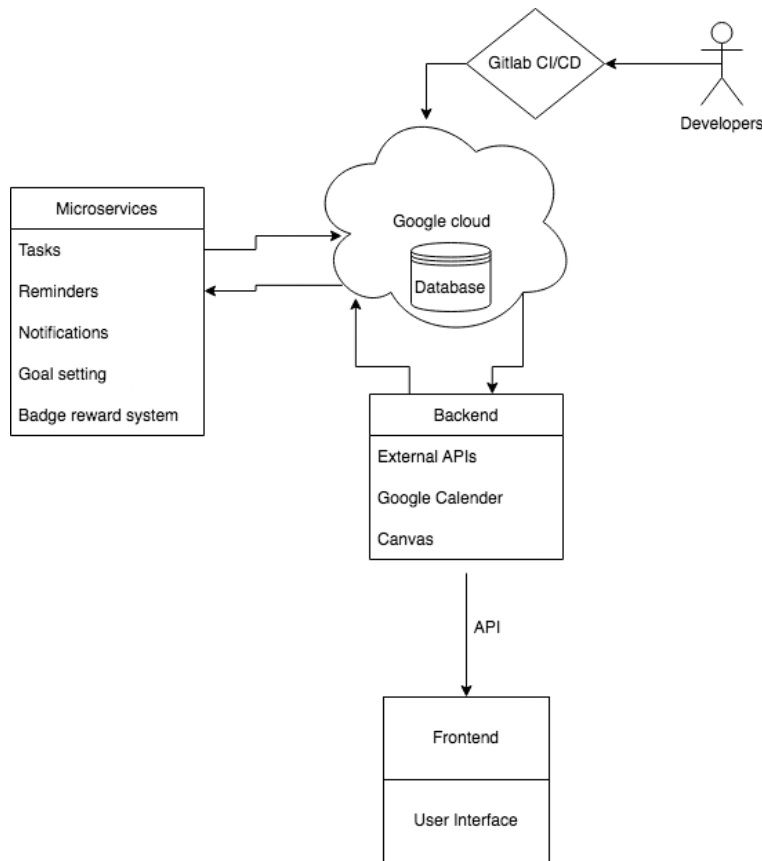
	meetings, created a software architecture diagram for the scope document, created non-functional requirements section for the scope document		
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Comments and Extended Discussion:

This week, our team provided our client with an eleven page scope document. Because of the document’s length, we’ve decided not to include the entire report. However, below we’ve included important figures and tables from the scope document.

- **Architecture**

Our team created a diagram of our software system’s architecture. We’ll be contacting an Iowa State professor in order to receive feedback on our diagram and identify possible ways in which we could improve.



- **Risk Table**

Our team created a table with the associated risks of the Jewels Academy application.

Risk	Severity (1-10)	Probability (1-10)	Combined Risk Value (Severity * Probability)	Rank
Login Security	8	8	64	1
New Group	2	10	20	5
Communication Issues	7	5	35	3
GPS / Mapping	3	3	9	6
Page Access Speed	4	8	32	4
Team Knowledge	4	9	36	2

- **Technologies**

Our team created a table with the technologies that will be necessary to complete our project.

Backend Technologies	Frontend Technologies	Included in Both
Spring for API (Java) - Will use IntelliJ as IDE	Integration with both Android and IOS (use of Ionic or Xamarin)	GitLab for development
Canvas API Integration	Android Studio for IDE	CI/CD
MySQL	Graphical Design of the Application (Figma)	Trello Story Boards
Set of User Information API's		Agile / SCRUM Development Model
Set of API's for goals and tasks		
Postman for testing API		
Possible cloud integration for database		

Encryption for user data		
Outlook API for calendar		

Plans for the Upcoming Week:

- Meet with students and founders and get feedback on things they'd like to see.
- Check out programs to use.
- Find out if we are able to use google cloud service for this project instead of Iowa State servers.
- Get feedback from surveys that were sent out.
- Set up GitLab CI/CD.

Summary of the Weekly Advisor Meeting:

In our weekly meeting with our faculty advisor our group discussed the scope document, as well as how we should move forward with development of the project so we can create a more definite schedule for the creation of the project. Our group also discussed what is necessary for the design plan that our group will present in 3 weeks on March 29 2022. Our group discussed making changes to the language our group will develop the project with from Java to C# in light of new information regarding the compatibility of these languages in regards to mobile app development.