# Team Leader Information

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| Meeting Schedule for Group Alpha | | | Discussed |
| Topic | Date | Time (PM) |  |
| Weekly | November 1, 2023 | 6:05-7:15 | Planned features, discussed implementation timeline |
| Weekly | November 8, 2023 | 6:05-7:15 | Discussed progress of features |
| Weekly | November 15, 2023 | 6:05-7:15 | Planned work over Thanksgiving break |
| Retrospective | November 20, 2023 | 6:05-7:00 | Cancelled meeting for midterm |
| Weekly | November 22, 2023 | 6:05-7:15 | Cancelled meeting for Thanksgiving |
| Retrospective | November 27, 2023 | 6:30-7:15 | Looked at finished features and planned testing |
| Weekly | November 29, 2023 | 6:05-7:15 | Discussed final touches needed to turn in the project by the due date. |

# Stage B

### Summary of the Project

Our project is to take a Wiki system (think Wikipedia) called Riki, and update the system with enhanced features to make the site better for users. In particular, our features focus on ensuring the information on the wiki is trusted and reliable. This involves users being authenticated, captcha checks, the ability to rollback entries, and other features to enhance trust.

#### Goals

Our goal is to enhance a wiki system that will lead users to give us tens of thousands of dollars in exchange for our product. Based on Wikipedia's constant need for donations, this seems unlikely. However, we are a persistent team of dedicated software engineers looking to enhance our software for the modern age. We are aiming to combat misinformation generated by artificial intelligence.

#### Why?

Our goal of creating a product that is free from tampering by artificial intelligence is important in our modern age. Information is hard to trust, so we are building our product around being a high fidelity wiki system. We aim to verify that each entry in the wiki is a human entry, not a machine. Our product is important for the future of the free exchange of information.

### Features

**Feature 1: Account Sign Up**

Developer: Jacob Bumgartner

Description: This feature allows for the registration of new users, so we can enable each user of the site to have a unique account.

**Feature 2: reCAPTCHA for Login**

Developer: Seth Sutton

Description: Users are prompted with a captcha to ensure they are human actors.

**Feature 3: Multi-factor Authentication**

Developer: Seth Sutton

Description: Users have a second form of verification through an MFA app on cellular device to confirm human identity.

**Feature 4: History Log for Entries**

Developer: Eric Jackman

Description: Each entry will have its past 3 versions stored in a recoverable manner allowing users to see what was changed.

**Feature 5: User Survey when leaving site**

Developer: Huzaifa Faisal

Description: Users are prompted with a pop up survey when they leave the site to give their feedback to developers which helps to create a more user friendly and pleasant experience.

### Project Test Plan

Unit tests: Each team member will work with the team leader to create unit tests, aiming for complete code coverage.

Integration tests: The team leader will write and execute integration tests between modules that are correlated.

Acceptance test: A third party user will be requisitioned to perform a series of instructions with the Riki app. The user must be able to pass the acceptance test.

## Milestones and Deadline

* + **Milestone 1**
  + **Deadline**: Complete initial feature implementation.
    - Date: 11:59 PM on 11/20/2023
    - Goal: Have each feature working at a basic level. Code does not need to be perfect as further refactoring will occur, but a working product should be present.
  + **Milestone 2**
  + **Deadline**: Complete testing
    - Date: 11:59 PM on 11/27/2023
    - Goal: To complete the unit, integration, and acceptance testing on this date.
  + **Milestone 3**
  + **Deadline:** Complete the project
    - Date: 11:59 PM on 12/2/2023
    - Goal: Finish the documentation required and turn in the Stage C project files and artifacts.

## Risk Analysis

1. Group project in CSC 425 also due in November. 4 out of 5 members of this group are in the 425 group, so we must allocate enough time to each project.           11/19-Project Outline is due
2. Thanksgiving break will lead to a loss in productivity, so we must start early and finish early.          11/23-11/26
3. Busy work schedules necessitate careful planning of meeting times to ensure the entire group can meet.

# Stage C: Progress

## Feature Implementation

**Week 1 : October 31 - November 6**

**Summary**

This week we extensively planned our features and the anticipated schedule for our endeavor. We made sure everyone knew the rules and expectations of the group. We learned how it can be hard to get everyone together for a meeting, so we planned meeting times that will work for everyone in the group.

**Milestones or risks in this week**

No milestones completed. Risks such as other coursework and family plans were appropriately assessed during the planning phase of the project and were not an issue.

We created our requirements this week and planned our tests.

**Design**

We completed our initial design phase this week as we considered what features we were going to implement and how they will interface with other modules. The User Survey is a standalone module that will not need coordination with other modules. However, the Account Sign-Up along with the MFA and reCAPTCHA will take careful teamwork. The MFA and reCAPTCHA rely on the current user logged in, so those two developers are working closely together to make sure there is conceptual integrity between the three features being implemented. Lastly, the page version history has reliance on the current user logged in, so this has been considered during the design phase.

Github: <https://github.com/lschwartz15/440project>

**Document**

We created our requirements (written as user stories) and put them in the github repo: <https://github.com/lschwartz15/440project>

**Weekly Meetings**

All team members were present for the meeting in room GH 230 in Griffin Hall

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| --- | --- | --- | --- |
| Topic | Date | Time (PM) | Discussed |
| Weekly | November 1, 2023 | 6:05-7:15 | Planned features, discussed implementation timeline |

**Week 2 : November 7 – November 13**

**Summary**

This week we started the real work on our features and made excellent progress. We conceptually solved the problem of how to store our users’ login information. We are going to continue using JSON files as a pseudo database as we believe database integration would be out of scope for this Riki application. If we gained more users, we would focus more on scalability. We held a productive meeting on the 8th.

**Milestones or risks in this week**

No milestones completed. Risks such as other coursework and family plans were appropriately assessed during the planning phase of the project and were not an issue.

**Code**

We completed 265 lines of code by making progress on the following features: MFA, reCAPTCHA, User Signup, and Page Version History. MFA and reCAPTCHA are in a working state, but not yet integrated with the User Signup. User signup is in a primitive state as well as page version history.

<https://github.com/lschwartz15/440project>

**Weekly Meetings**

All team members were present for the meeting in room GH 230 in Griffin Hall

|  |  |  |  |
| --- | --- | --- | --- |
| Topic | Date | Time (PM) | Discussed |
| Weekly | November 8, 2023 | 6:05-7:15 | Discussed the progress of our features and offered assistance to struggling team members |

**Week 3 : November 14 - November 20**

**Summary**

We achieved great success this week as we met our first milestone and have all of our planned features in a working state. This enables us to take comfort that we will be able to finish the project on time and under budget.

**Milestones or risks in this week**

We successfully completed milestone 1 this week which was initial feature implementation. We met this deadline which we are proud of as a group. We are going to take this sense of confidence and continue to start early and finish early.

**Code**

We completed 182 lines of code by making progress on the following features: User Signup, Page Version History, and User Survey. MFA and reCAPTCHA were already completed, but they were integrated with the finished User Signup. Page Version History was improved over initial version. User Survey is in a working primitive state.

<https://github.com/lschwartz15/440project>

**Weekly Meetings**

All team members were present for the meeting in room GH 230 in Griffin Hall

|  |  |  |  |
| --- | --- | --- | --- |
| Topic | Date | Time (PM) | Discussed |
| Weekly | November 15, 2023 | 6:05-7:15 | Checked progress on features, planned what needed finished by the end of the week |

**Week 4 : November 21 - November 27**

**Summary**

This week was not successful for our group. Although we came into this week with a substantial amount of work completed, little was finished due to the CSC 440 Midterm on Monday followed by the holiday break from Wednesday through the weekend.

**Milestones or risks in this week**

No milestones completed. Risks such as the midterm for this course and Thanksgiving were not adequately accounted for during the planning stage. Team members experienced burnout which led to a lack of work being completed during this period.

**Week 5 : November 28 - December 3**

**Summary**

This week we finished our tests as well as all of our documentation. The project is going to be ready to turn in on Sunday December 3. We learned that the phrase “start early, finish early” should be changed to “start earlier, finish earliest”. We learned how to solve a few bug issues that were introduced as a result of combining multiple branches in Github which created a few merge conflicts and subsequent errors.

**Milestones or risks in this week**

Milestone 2 was completed by finishing all of our required testing. We performed unit tests, integration tests, and an acceptance test. Also, milestone 3 was completed which was to finish the project by the due date. Risks such as exams for other classes did come up, but they were handled. We achieved our goal.

**Code**

We wrote 295 lines of code, excluding the tests written by the team leader, doing unit testing and final touches on our features. We had to fix a few bugs involved with the User Survey as well as the Multi-factor authentication integration with the user signup.

<https://github.com/lschwartz15/440project>

**Tests**

We completed our testing this week which included unit testing for individual features as well as integration testing to make sure the interactions between modules was functioning correctly.

<https://github.com/lschwartz15/440project>

**Document**

We made some final touches such as updating our canvas pages and compiling documents in anticipation of the project submission on December 3*.*

**Weekly Meetings**

All team members were present for the remote meeting over Zoom Video.

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| --- | --- | --- | --- |
| Topic | Date | Time (PM) | Discussed |
| Weekly | November 29, 2023 | 5:00-7:15 | Final touches on the project |

**Retrospective Meeting**

Meeting Date: November 27, 2023 Time(PM): 6:30-7:15 in room GH 230 in Griffin Hall

Discussed: We discussed some bugs we were having with some of the features We discussed the status of the project. We concluded that we are mostly finished and in a good place. We need to finish some final documentation. We also assessed our performance throughout the project. We found that we did a good job planning during the first week as the outline kept us on track. We found that we did not do a great job with our testing as no one in our group likes to write tests. We have learned that perhaps a model like test-driven development may be beneficial to keep us honest with our testing.