

SE 319: Software Construction and User Interfaces

Spring 2022 | 04/17

Individual Report for Second Release

Group No. 2

Project Title: QuestLife

Name: Devin Amdahl

1. Individual Contribution and Role Description for Second Release:

For this second release, I had to shift my focus from the tasks that I listed in my plans for our second release (implementing the user's ability to capture an image using their device's camera when creating a task, adding other kinds of attachments to a task, viewing an attachment when viewing a task's details, and adding a switch toggle between dark and light mode) after our meeting with Arushi, as she explained that testing our functionality would be the focus of our second release.

Thus, I decided to improve the appearance of the 'Login' screen, created a 'Create Account' screen matching the 'Login' screen, created the form validation functionality of both of these screens, and then writing tests for them as well (I worked with Ritz to write the Jest unit tests for 'Login.js' as he was having trouble with Jest. Additionally, I added some quick styling to the 'Maintenance' screen for Alex because I have more experience with CSS. Overall, I would describe my role as filling out the gaps in an application's general requirements from the application's state after our first release.

- **Story Cards Worked On (Not Counting Work Done for Figma:**

- 'Updated Application Appearance'

- *2 Story Points:*

- Changed appearance of login page.
- Resolved issue with bottom navigation bar not showing up.
- Made locations and sizes of images, text boxes, and buttons consistent across both the 'Login' and 'Create Account' screens.
- Added a non-functional 'Terms of Service'.

- 'Creating an Account'

- *4 Story Points:*

- Created 'Create Account' page (CreateAccount.js).
- Added form validation with corresponding error messages to both 'CreateAccount.js' and 'Login.js'.
- Implemented the ability to create an account and then login with said account information during that lifetime of the application (account is not stored across app instances).

- Created 'Accounts.js' to store accounts locally for testing purposes.
 - 'Password and Email Criteria'
 - *1 Story Point:*
 - Email addresses must follow the format of a normal email address.
 - Passwords must begin with a letter, and must contain: a minimum of eight characters, one uppercase letter, one lowercase letter, one number, and one special character.
 - 'Creating an Account Tests'
 - *1 Story Point:*
 - Wrote six unit tests using Jest which all pass.
 - 'Login Tests'
 - *1 Story Point:*
 - Worked with Ritz to write four unit tests using Jest which all pass.
 - 'Added styling to Maintenance'
 - *1 Story Point:*
 - Changed formatting of page to reflect the theme used throughout the rest of the application.
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2. Level of Proficiency - React Native and Jest:

- React Native - Before: 2
 - Much of my time during the first release was spent outside of the application itself, as I had to transition to ensuring that the repository code base was accessible for everyone.
 - React Native - After: 4 - 5
 - While I am still not comfortable with React Native, I do feel that my level of proficiency is rising. I have learned more about how applications are structured within the React Native framework, especially about the style of React Native which we are using for this application, which is the functional style of React Native programming.
 - Jest - Before: 1
 - Prior to this release I had only ever used Jest during one of our labs earlier this semester.
 - Jest - After: 3
 - While I still have a lot to learn about using Jest to write tests, I do feel like my experience with the testing framework has increased.
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3. Individual GIT Statistics / Analytics:

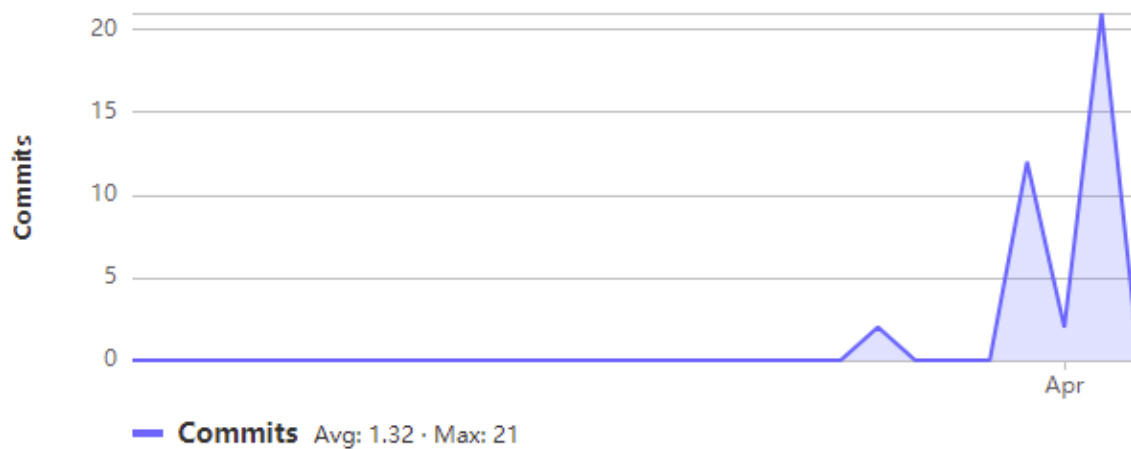
- Total Number of Commits: 37

- Slightly inflated due to my style of committing in which I like to have a correct message for each file(s) to allow for more descriptive commit messages, as opposed to having a single commit message for all recent changes.

- **main:**

Devin

37 commits (beastmodeiswhatiam@gmail.com)



- **create-account-jest:**

Devin

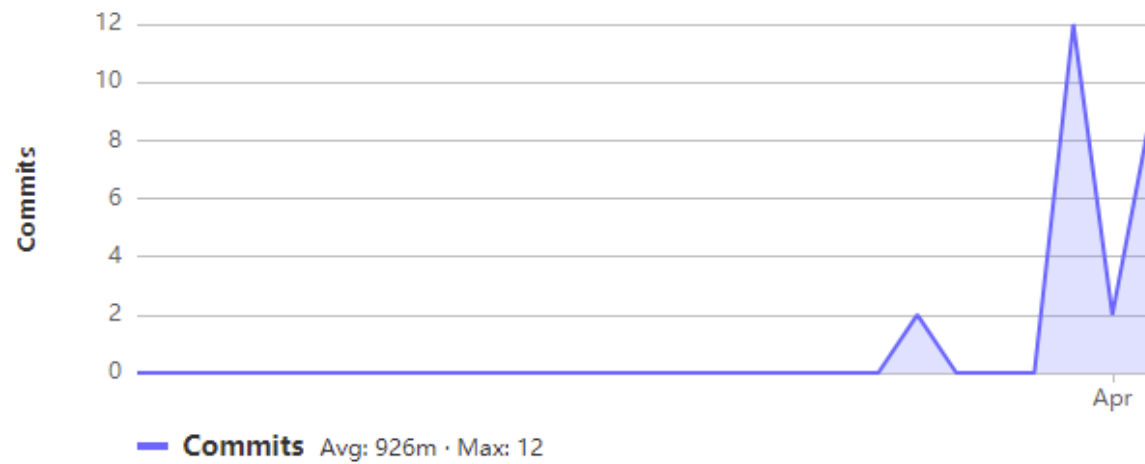
30 commits (beastmodeiswhatiam@gmail.com)



- **newMaintenanceBranch:**

Devin

25 commits (beastmodeiswhatiam@gmail.com)



- hiding-login-and-create-account-button-when-typing:

Devin

22 commits (beastmodeiswhatiam@gmail.com)



- login-and-create-account-tests:

Devin

21 commits (beastmodeiswhatiam@gmail.com)



■ create-an-account:

Devin

5 commits (beastmodeiswhatiam@gmail.com)

