CMPSC 487W Phase #2

Design Review, Project Milestone

Group Name: Remember5

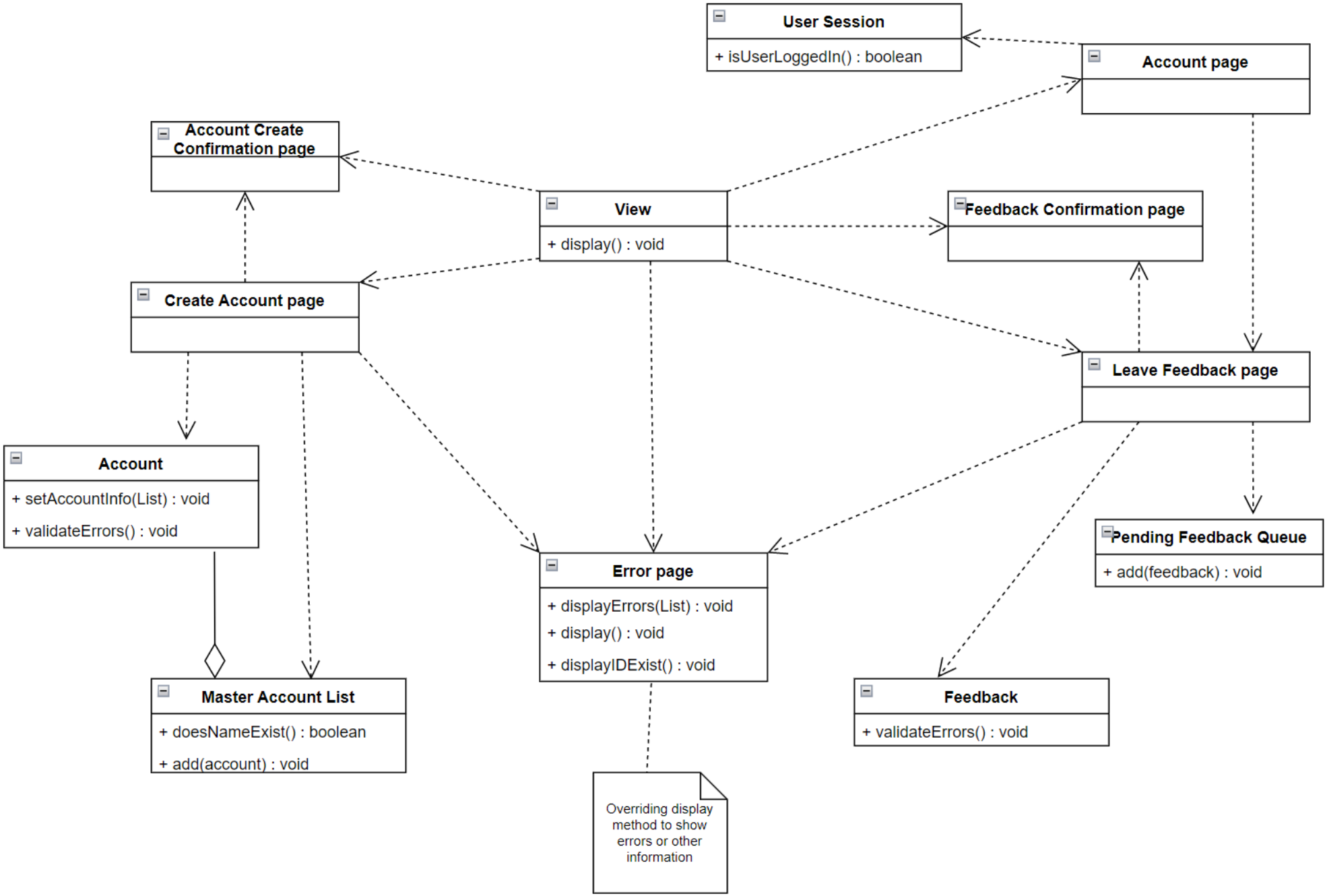
Members: Hasan A., Anna M., Flamur B.

Professor: Dr. Hyuntae Na

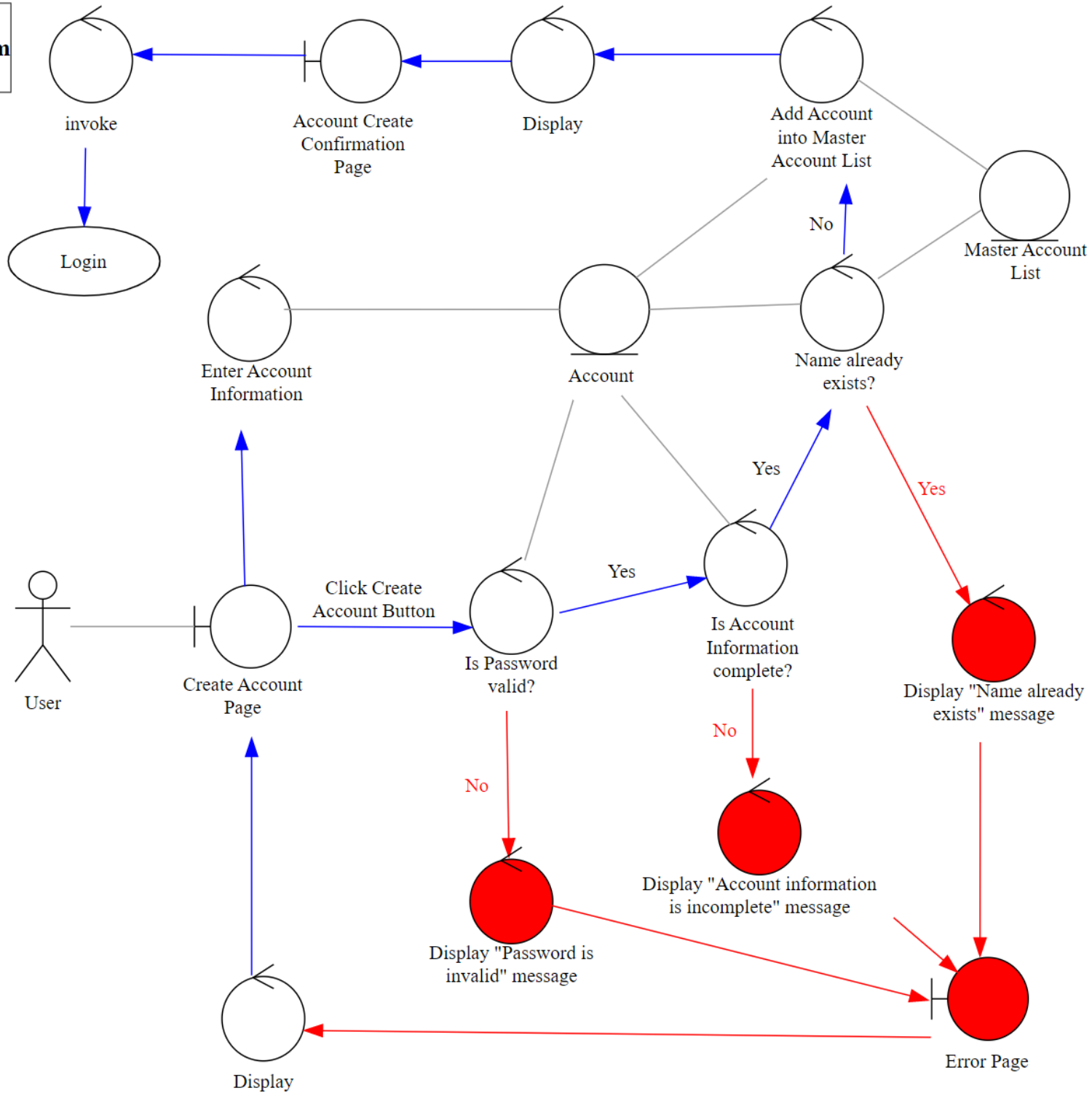
Date: 11/30/2022

Selection of framework/architecture: The frameworks that we have chosen to use will be based on our need in different areas of the website. For the front-end development, we will rely on frameworks that allow us to be precise in the feature we have, such as Angular. This will be used to build the UI design and ensure proper user interactions. We will also use Django, which is both for front-end and back-end work. Django is a Python based framework and allows for fast development and well-organized documentation. Lastly, NoSQL will be used for our database.

Class Diagram (OO Version)
(by Hasan Al-Quaid)



Create Account
Use Case and Robustness Diagram
(by Anna Mahadeo)



Create Account

BASIC COURSE:

The system displays Create Account page. The User enters Account Information (such as Name, Email, Password) and clicks Create Account Button. The system ensures that Password is valid, and Name is unique by accessing Master Account List. The system then adds Account into Master Account List. The system displays Account Create Confirmation Page, and invokes Login use case.

ALTERNATE COURSES:

Invalid password: The system displays "Password is invalid" message on Error Page and displays Create Account Page again.

Name already exists: The system displays "Name already exists" message on Error Page and displays Create Account Page again.

Blank fields: The system displays "Account information is incomplete" message on Error Page and displays Create Account Page again.

Leave Feedback
Use Case and Robustness Diagram
(by Flamur Berisha)

Leave Feedback

BASIC COURSE:

The system displays Account Page, the User clicks Leave Feedback Button. The system checks User Session to confirm the User is logged in, and then displays Leave Feedback Page. The User enters Feedback (Review, Suggestion, Rating), and clicks Send Button. The system ensures that Review and Suggestion are in the allowed range (not too long nor too short), and that Rating is within 1-5 stars. The system then displays Feedback Confirmation Page and adds Feedback to Pending Feedback Queue for moderation. The system invokes Moderate Language use case.

ALTERNATE COURSES:

User not logged in: The system invokes Login use case. Once the User logged in, the system displays Leave Feedback Page.

Too long or short Review: The system displays "Review is too long or short" message on Error Page and displays Leave Feedback Page again.

Too long or short Suggestion: The system displays "Suggestion is too long or short" message on Error Page and displays Leave Feedback Page again.

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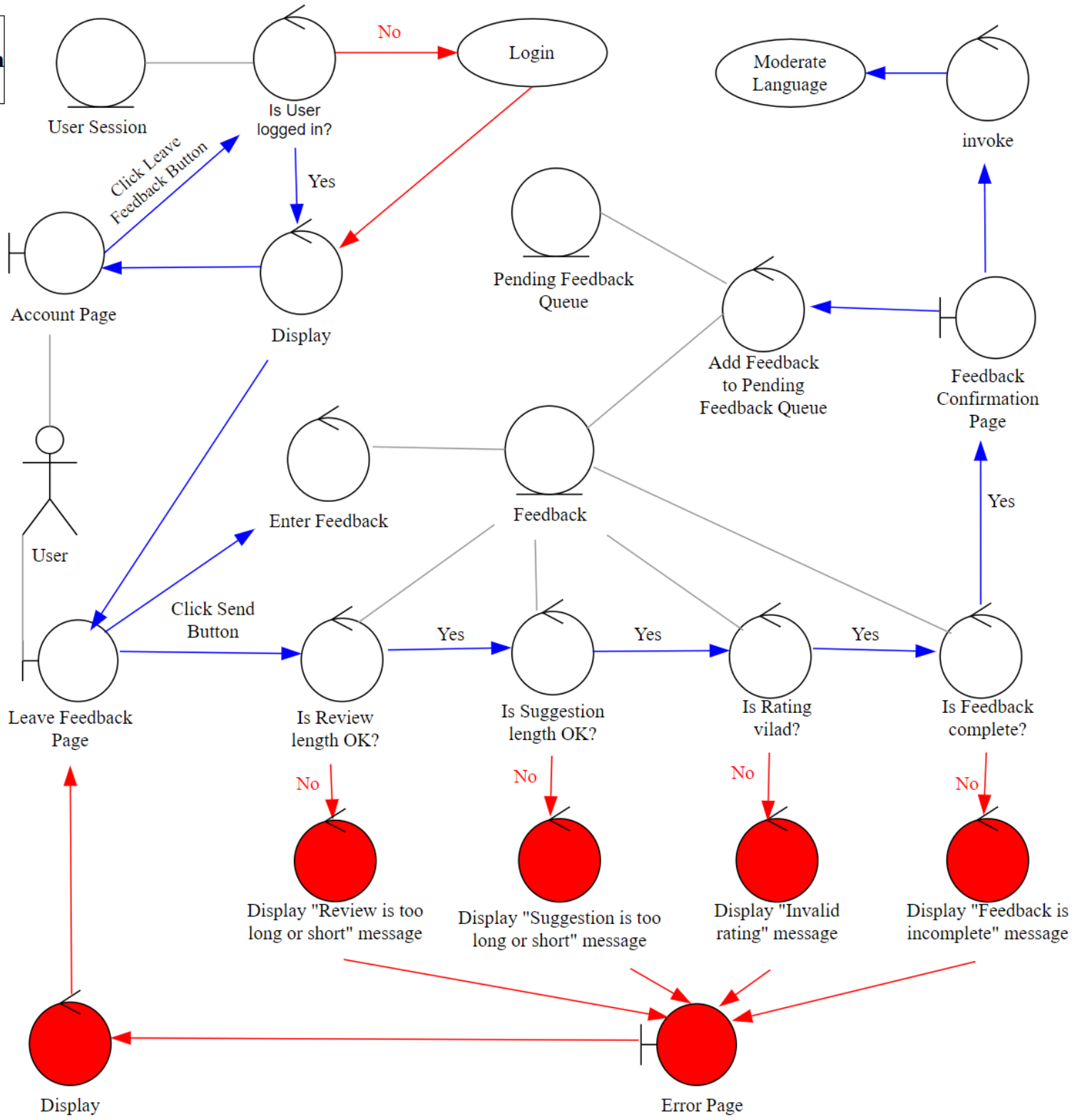

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Use Case and Sequence Diagram
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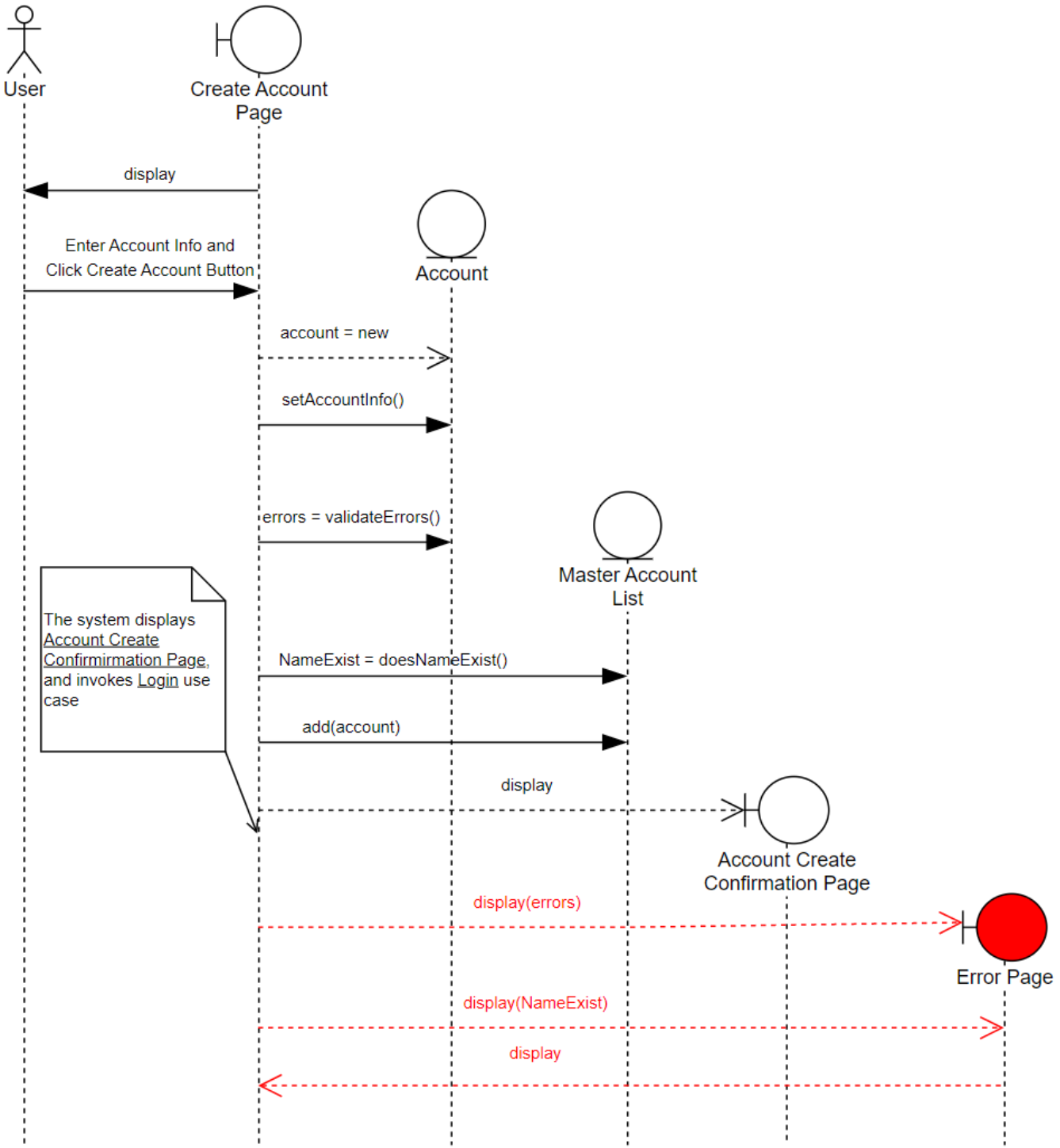

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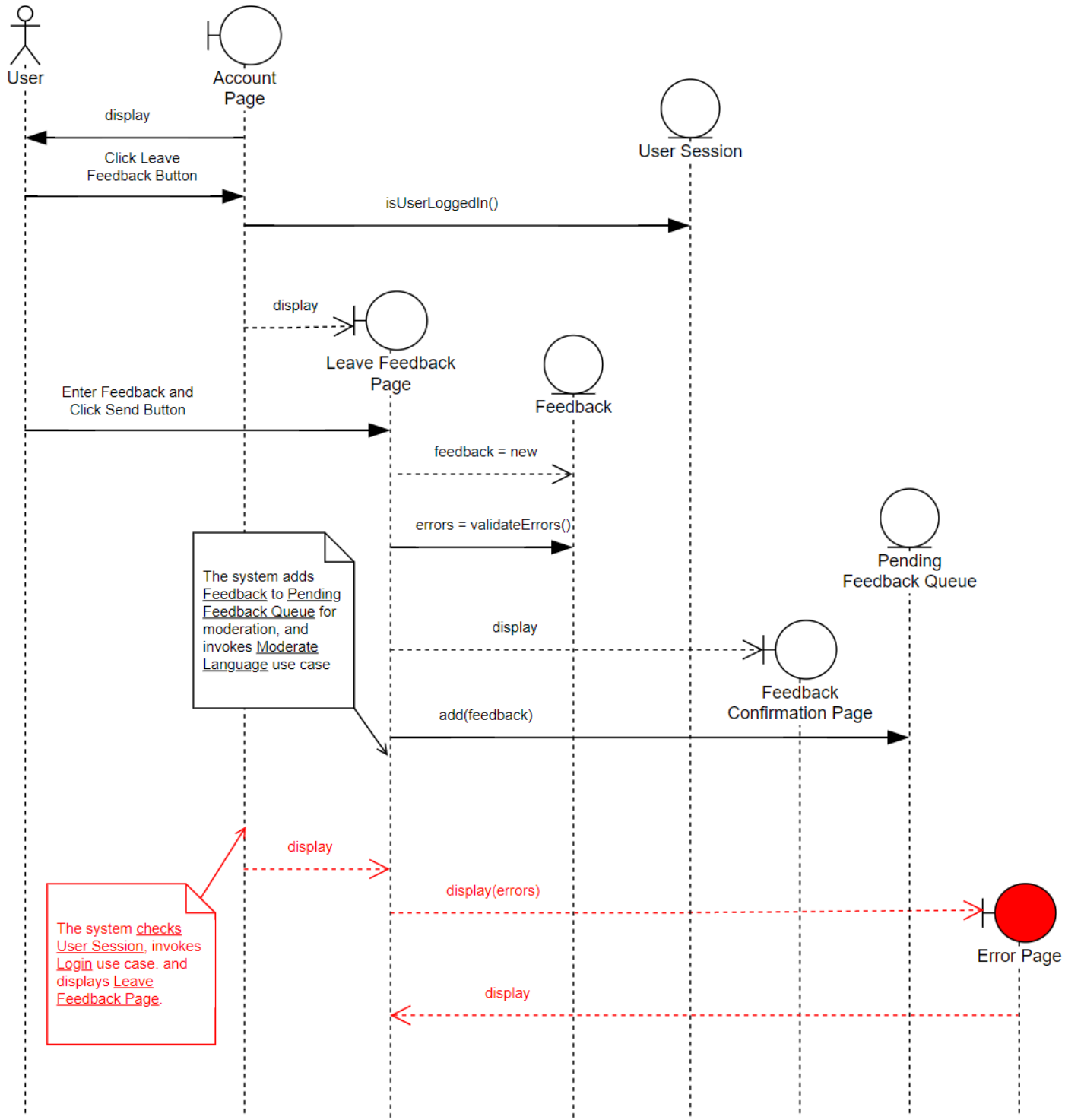

Month	Day	Development Plan	Test and Demonstration Plan
Feb	6	Account Implementation - Username/Password - Update information Location Services - Identify Nearby Users	- User can create a personal account - User can change personal account information - User can test location services
	13	Chatroom 1.0 - Allow user to communicate with other users Push Notifications - Remind user of daily prayer times	- User can talk to other nearby users - User can receive push notifications
	20	Chatroom 2.0 - Implement ML model to moderate chatrooms	- User has words and phrases moderated to check for profanity and bad language
	27	User Feedback - Allows user to rate the app	- User can give feedback about current features or new features
Mar	6	User Feedback ML model - Implement ML to moderate feedback Email Notifications - Remind user of daily prayer times	- User has words and phrases moderated to check for profanity or bad language - User can receive email notifications
	13	Religious Studies, Lessons, Quizzes - Implement knowledge sources and testing for users within the app	- User can take lessons and quizzes to demonstrate knowledge on religious topics
	20	Feature Testing - Test features and document needed changes	- User can interact with all features of the app
	27	UI Design Implementation - Implement the overall UI design	- User can interact with the web app in a coherent fashion that makes sense
Apr	3	Implementation Testing Changes - Implement changes from prior testing and documentation	- User can interact with all features and updates to features
	10	UI Design Changes - Polish up UI design for final preparation Final Feature Testing - Test all aspects of all features	- User can more seamlessly interact with web app
	17	Demonstration Preparation - Create a demo for the web app	- User can use demo as a start before using the web app
	24	Presentation	- Present project

Gantt Chart: In the excel file, it’s too big to big for one page.