

Document Design Updates

Milestone 4

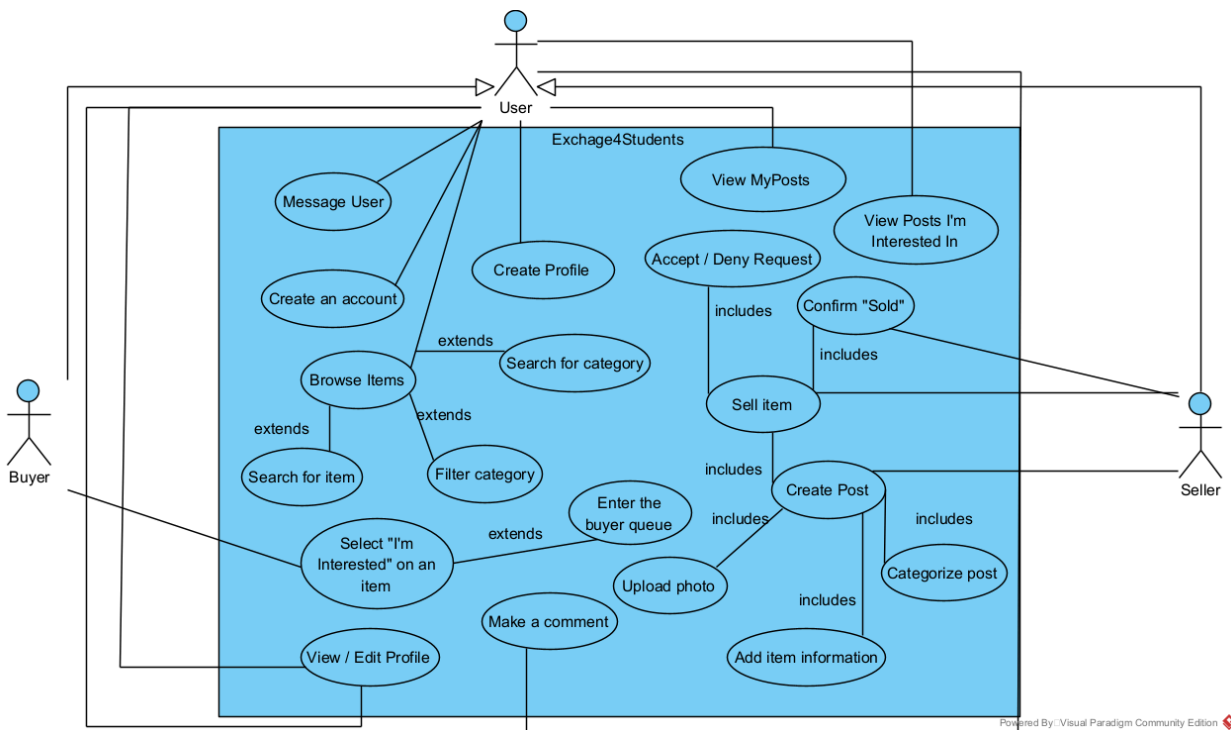
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Summary of Key Changes

Since Milestones 2 and 3, the team made significant progress in both the front-end and back-end of the application. Several user interface screens were completed, including the profile screen, buttons, and notifications. The Firebase backend was successfully integrated with the front end, allowing dynamic updates to fields like post entries, profiles, and statuses. Navigation logic was enhanced to support new screens, improving the user experience. Additionally, the team restructured and organized code files to align better with the evolving architecture of the application. In Milestone 4, the UML diagrams were updated to reflect newly added classes and components. These updates were directly aligned with the new code implementations introduced in this milestone. The team focused on refining the architecture by clearly defining module responsibilities and improving file organization. This milestone marked a shift toward finalizing the system structure and optimizing the layout of the app to ensure scalability and maintainability. Overall, the design matured from a functional prototype to a more modular and well-structured application.

UML Diagrams

Use Case Diagram:

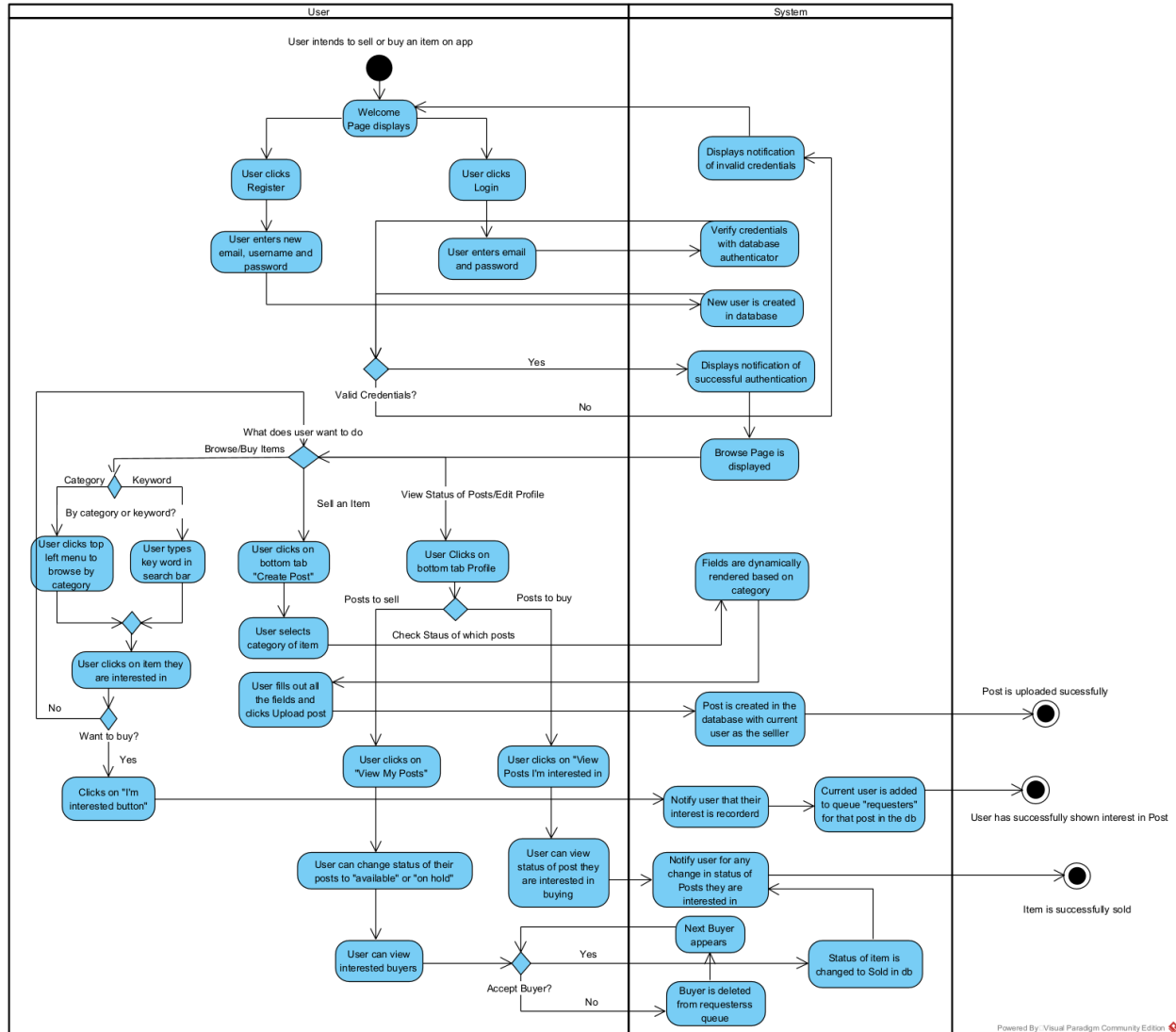


Cases Added:

- View MyPosts

- View Posts I'm Interested In
- Select "I'm Interested" on an item
- Enter the buyer queue

Activity Diagram



Changes

The activity diagram was expanded upon to be detailed and comprehensive of all the user flows implemented in this milestone. For additional clarity, a swimlane was added for the system, so that actions done regarding interaction with the backend and display changes can be clearly shown as distinct from user actions.

