

USChat App

Group 7

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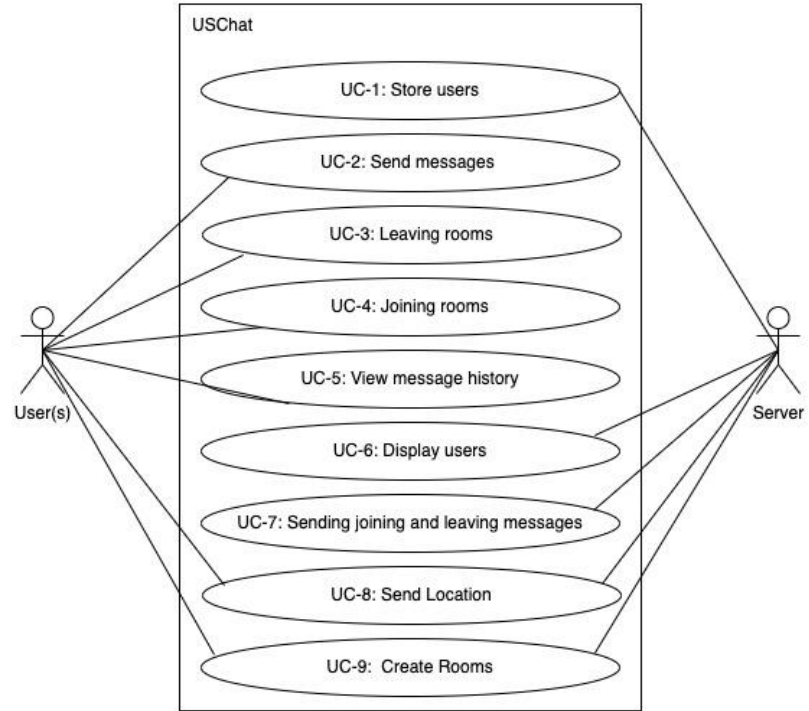
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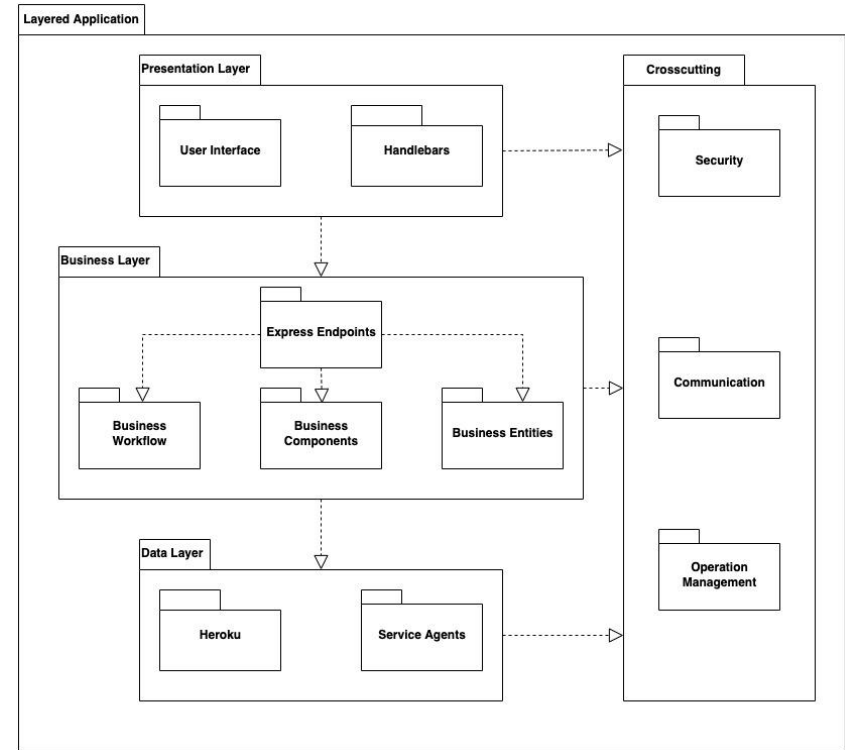
Intro and Use Cases

- USChat App
 - Website made for communication like WhatsApp
- Features
 - Join custom rooms
 - View active users
 - Chat with users
 - Send location
- Primary use cases
 - Use Case 1: Store Users
 - Use Case 2: Send Messages
 - Use Case 6: Display Users
 - Use Case 9: Create Rooms



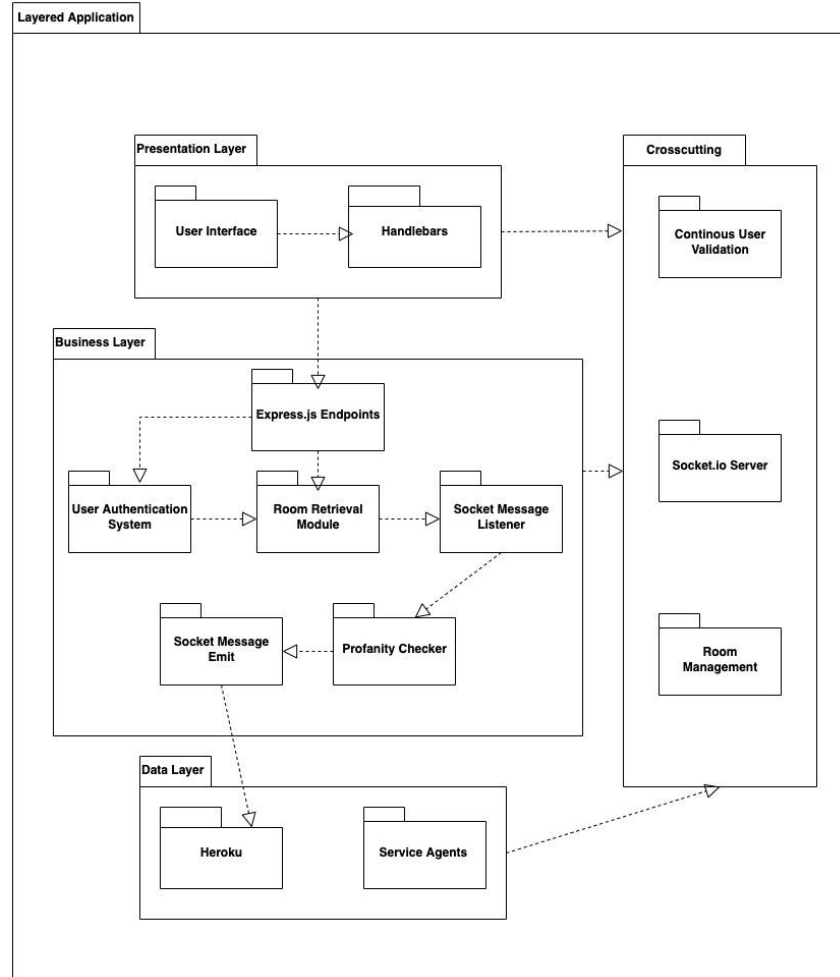
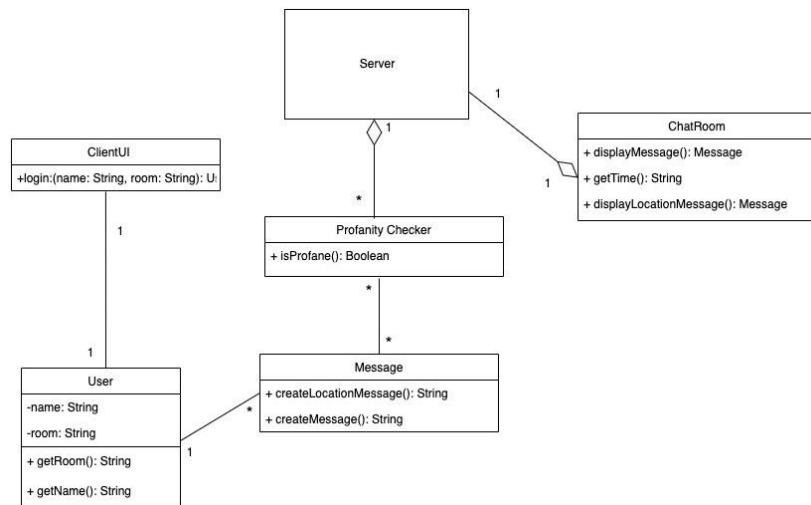
Iteration 1

- Focused on decomposition of system
- Chose web application reference architecture
 - Socket protocol is required
 - Requires processing on front-end and back-end
- Decided on three-layer system
 - Handlebars Templating (Presentation)
 - Express (Business)
 - Heroku Deployment (Data)
- Chosen due to scalability (QA-3)



Iteration 2

- Narrowed down modules based on the goal set by this iteration. (Identifying structures to primary functionality)
- Considered the primary use case:
 - UC-1, UC-2, UC-6, and UC-9
- Address CRN-3 (Allocate work to members of the development team.)
- Identify the how the system will function



Iteration 3

- QA-3 - Security
- Scenario: “Send location coordinates but shifts it slightly”
- Chose MDN API due to high availability of data
- Addresses UC-8: Send Location
- Refining GeoLocation
 - Data from MDN API for pinpoint coordinates shifted to provide additional security.

