



IT-314 Software Engineering

Lab - 5

Group - 12

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Develop the Class diagram for Sprint 1/2 (first derive the sequence diagram by identifying entity/boundary/control objects).

- Identify Entity/Boundary/Control Objects
- Develop Sequence Diagram
- Develop Analysis Domain Model (i.e., Class Diagram)

Sprint Details

Sprint 3: Real-Time Chat & Media Sharing (4 weeks)

→ **Goal:** Implement real-time chat functionality and media sharing.

→ **User Stories:**

◆ **Realtime Chat**

- $[(1*3) + (1*4) + (0*3) + (1*7) + (0*5)] * 0.65 = 9.1$
- Estimate: 9.1 FP

◆ **Group Chat Room**

- $[(1*3) + (1*4) + (0*3) + (1*7) + (0*5)] * 0.65 = 9.1$
- Estimate: 9.1 FP

◆ **Media Sharing**

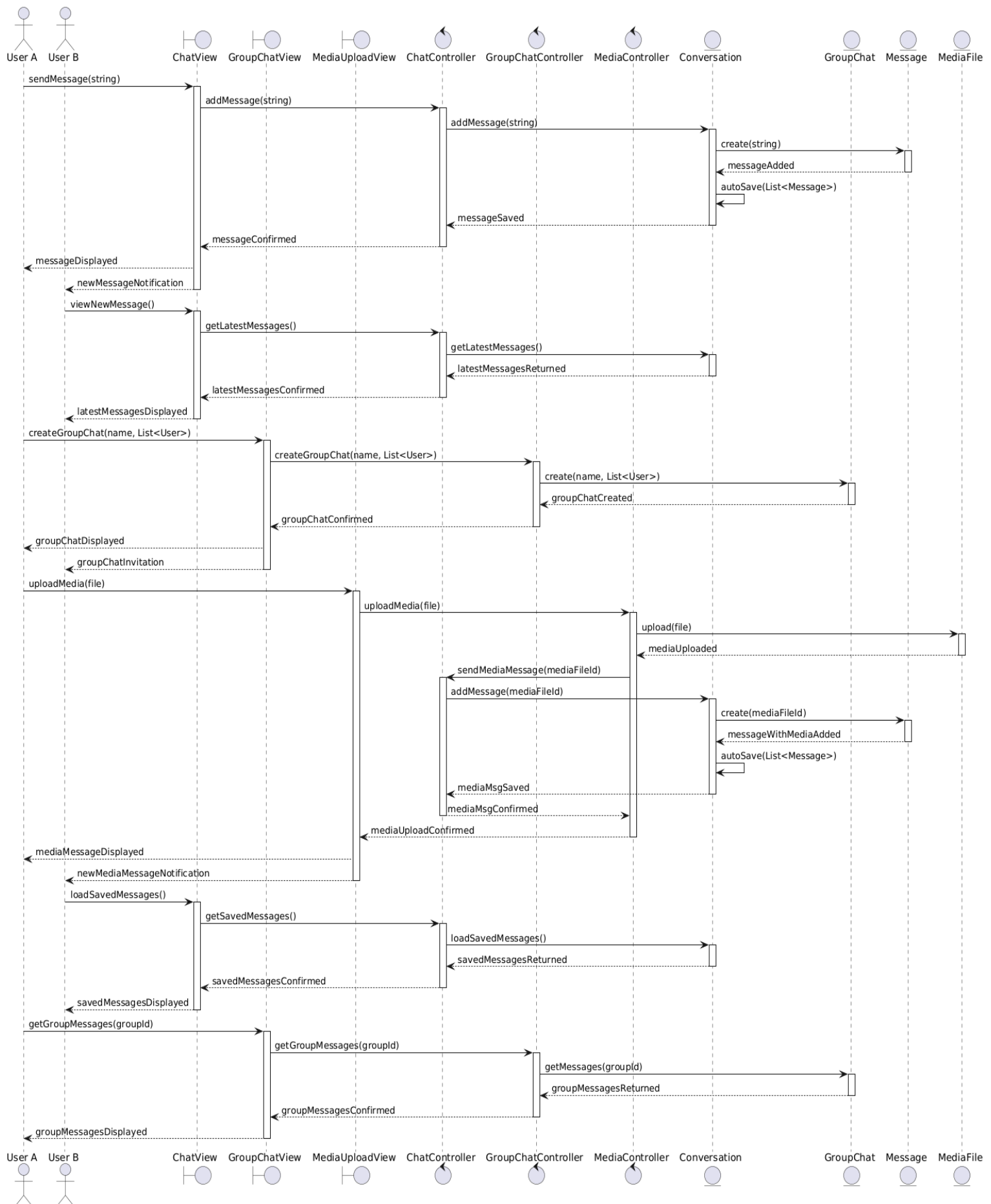
- $[(1*3) + (1*4) + (0*3) + (1*7) + (1*5)] * 0.65 = 12.35$
- Estimate: 12.35 FP

◆ **Auto-Save Conversations**

- $[(0*3) + (0*4) + (0*3) + (1*7) + (0*5)] * 0.65 = 4.55$
- Estimate: 4.55 FP

Total Estimate: 35 FP Sprint Duration: 4 weeks

Sequence Diagram for the above sprint:



Class Diagram for the above sprint:

