

Extracurricular

The App

Mission

- Connect students with tutors
- Provide tutors a platform to contract their work

User

- String: username
 - String: password
 - String: description / bio
 - Float: rating
 - List<User>: acquaintances
 - List<Message>: messages
-
- sendMessage(User:) //send message to a user
 - openMessage(Message:) // open and read message
 - add(User:) // add user to acquaintances
 - remove(User:) // remove user from acquaintances

Student

- Extends User
- List <Subject>: subjects
- List<Tutor>: tutors // tutors = self.acquaintances
- search() -> List<Tutor>
// search for tutors, returns List of tutors

Tutor

- Extends User
- List <Subject>: proficiencies
- List <Student>: students // students = self.acquaintances
- Bool: available

Subject Class Properties

- String: name (ex. Math, English, Chemistry)
- Enum: educationLevel (ex. Elementary, MS, HS, UG, Masters)

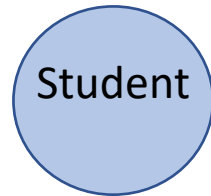
Message

- String: text
- String: timestamp
- User: sentFrom

Search by hierarchy of filters
(High priority)

(Low priority)

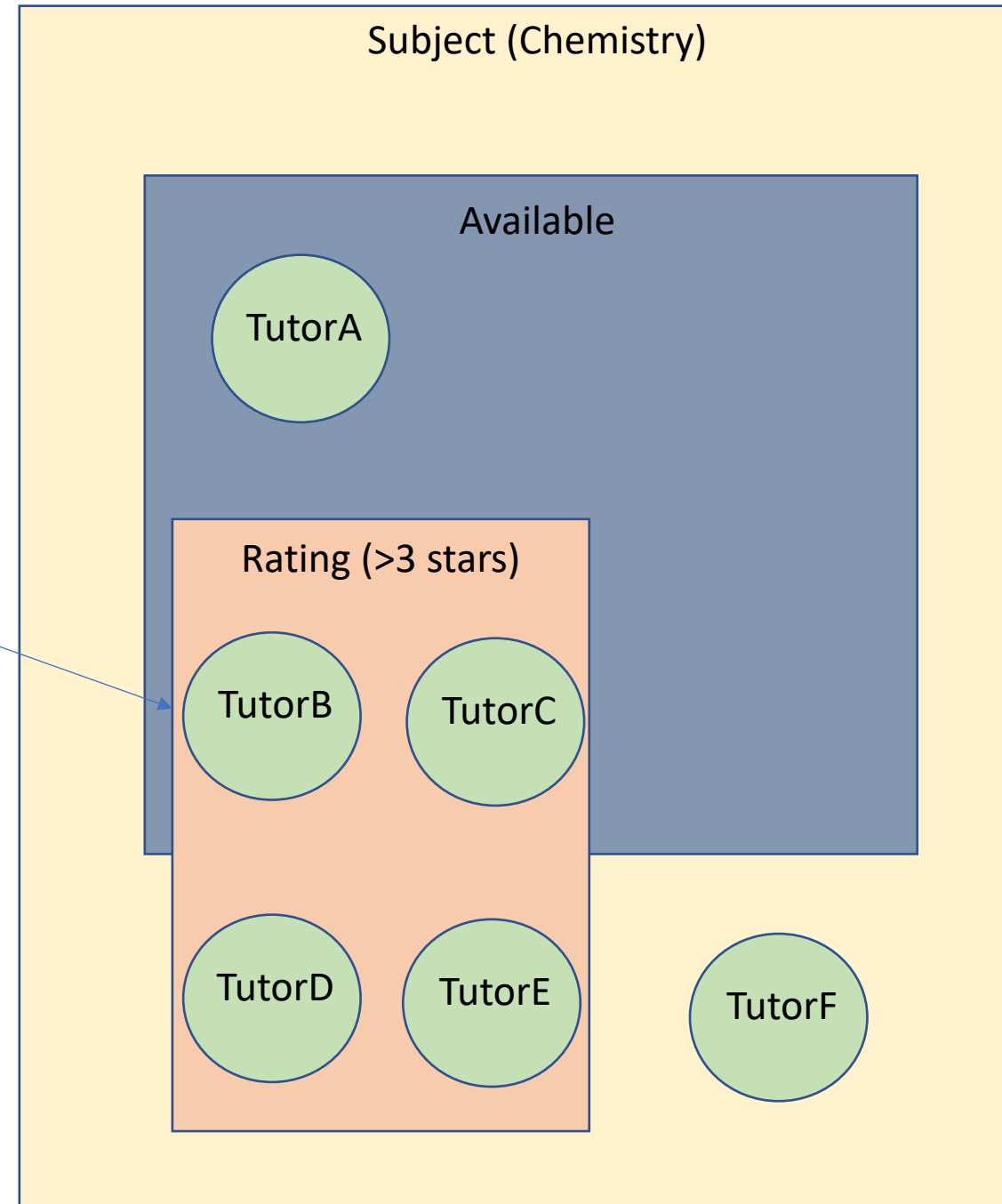
Subject -> Available -> Rating



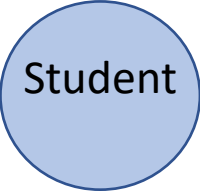
Search results
(High priority)

(Low priority)

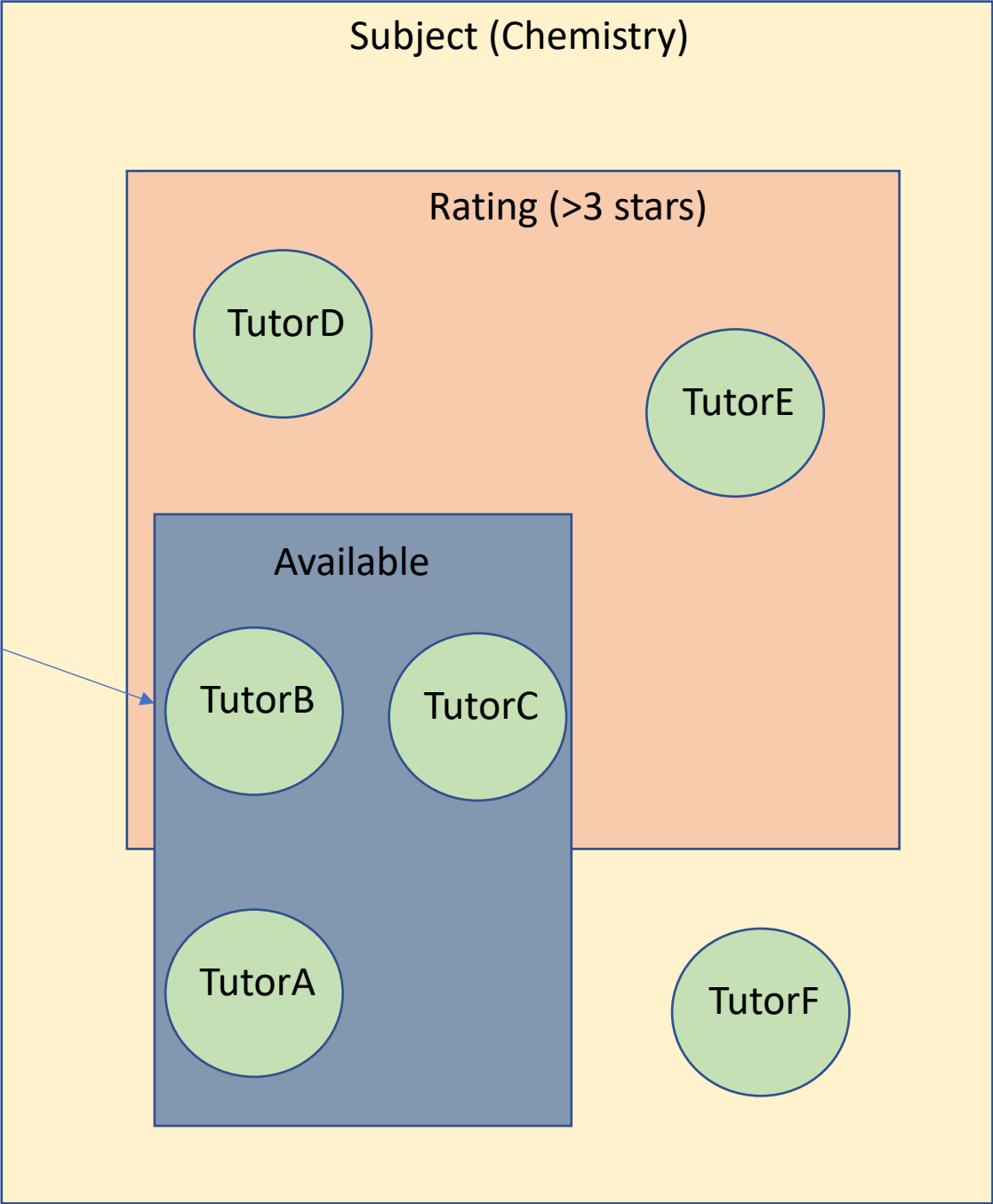
[TutorB, TutorC, **TutorA**, TutorD, TutorE, TutorF]



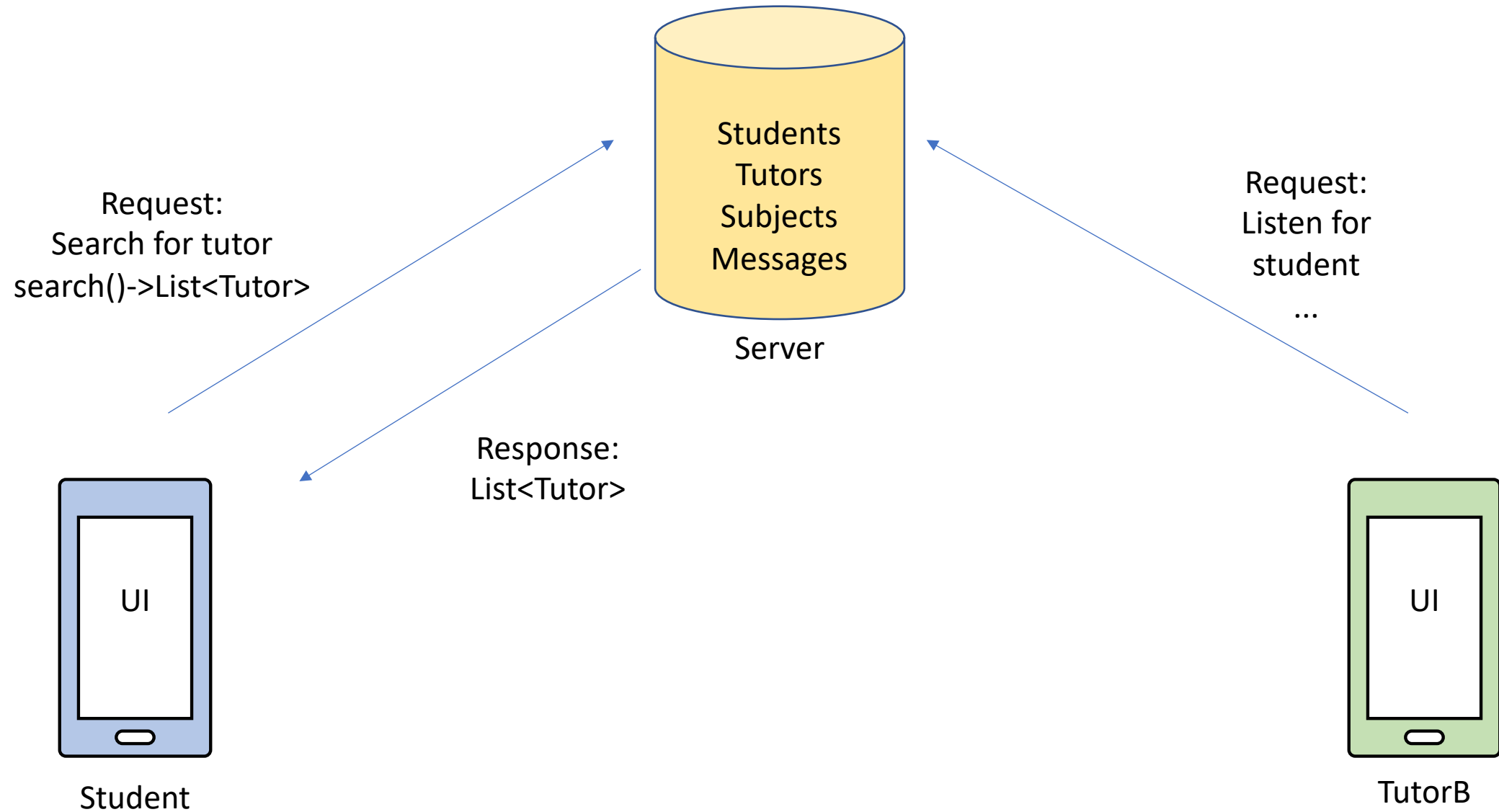
Search by hierarchy of filters
(High priority) (Low priority)
Subject -> Rating -> Available



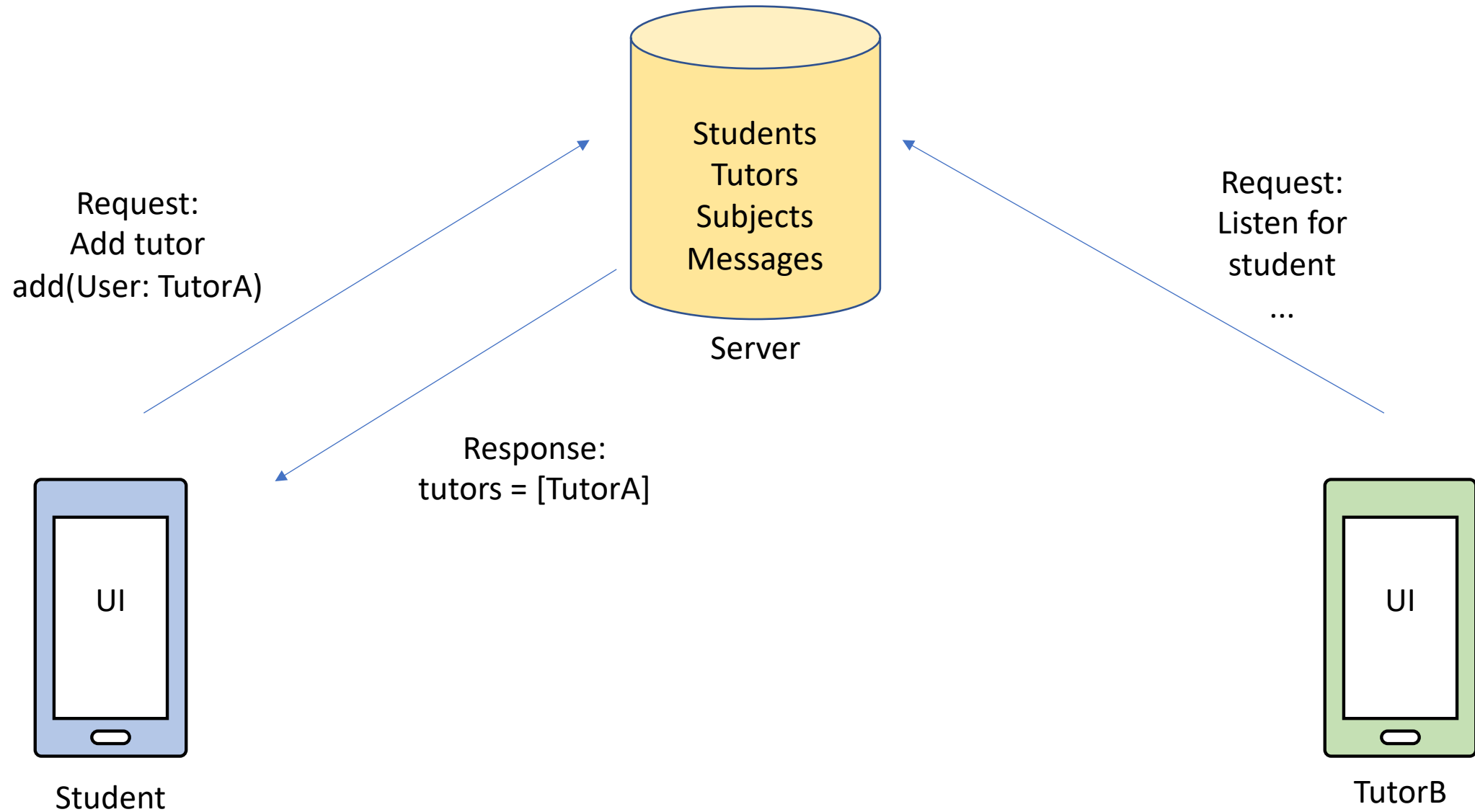
Search results
(High priority) (Low priority)
[TutorB, TutorC, TutorD, TutorE, **TutorA**, TutorF]



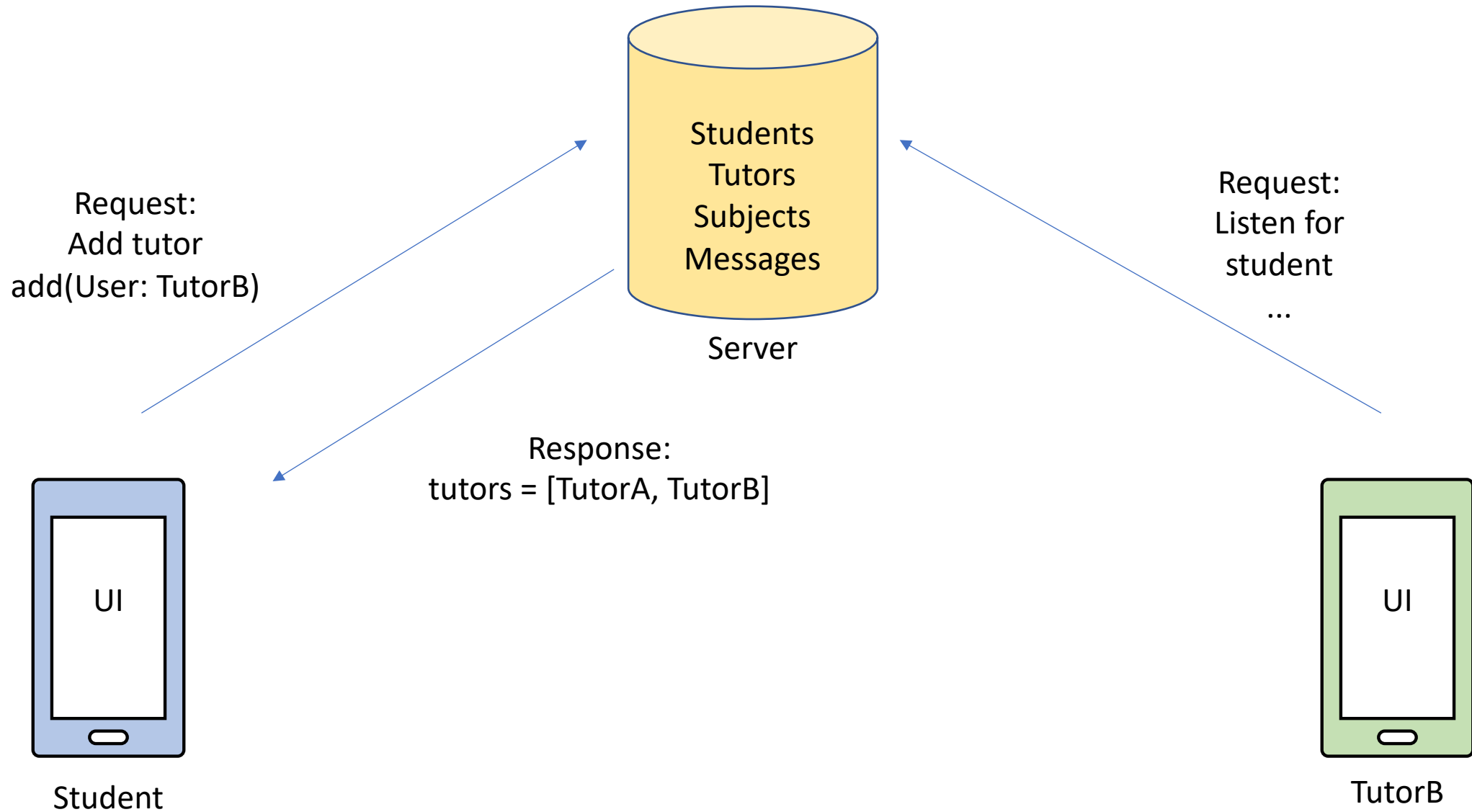
Client – Server Model



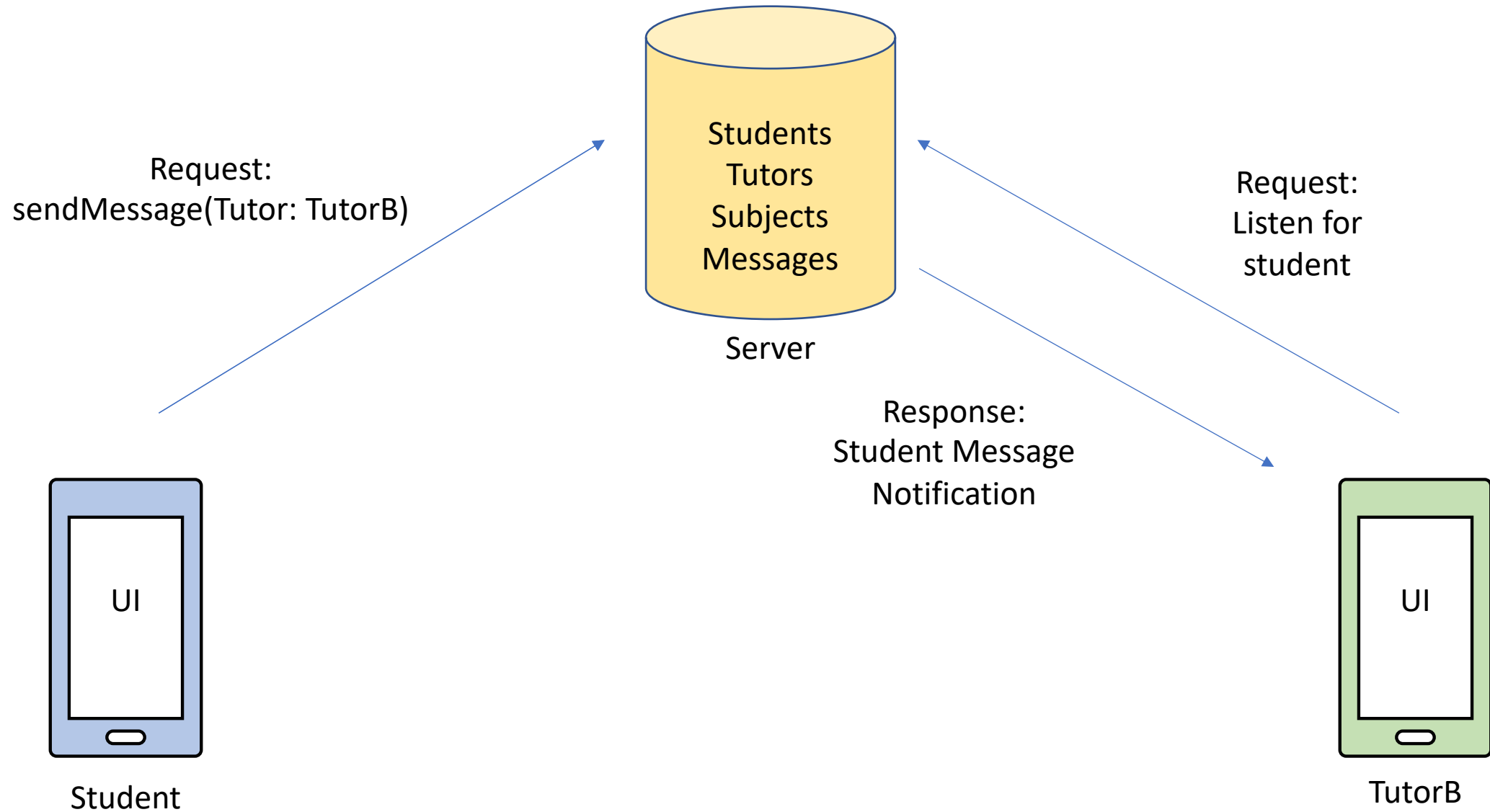
Client – Server Model



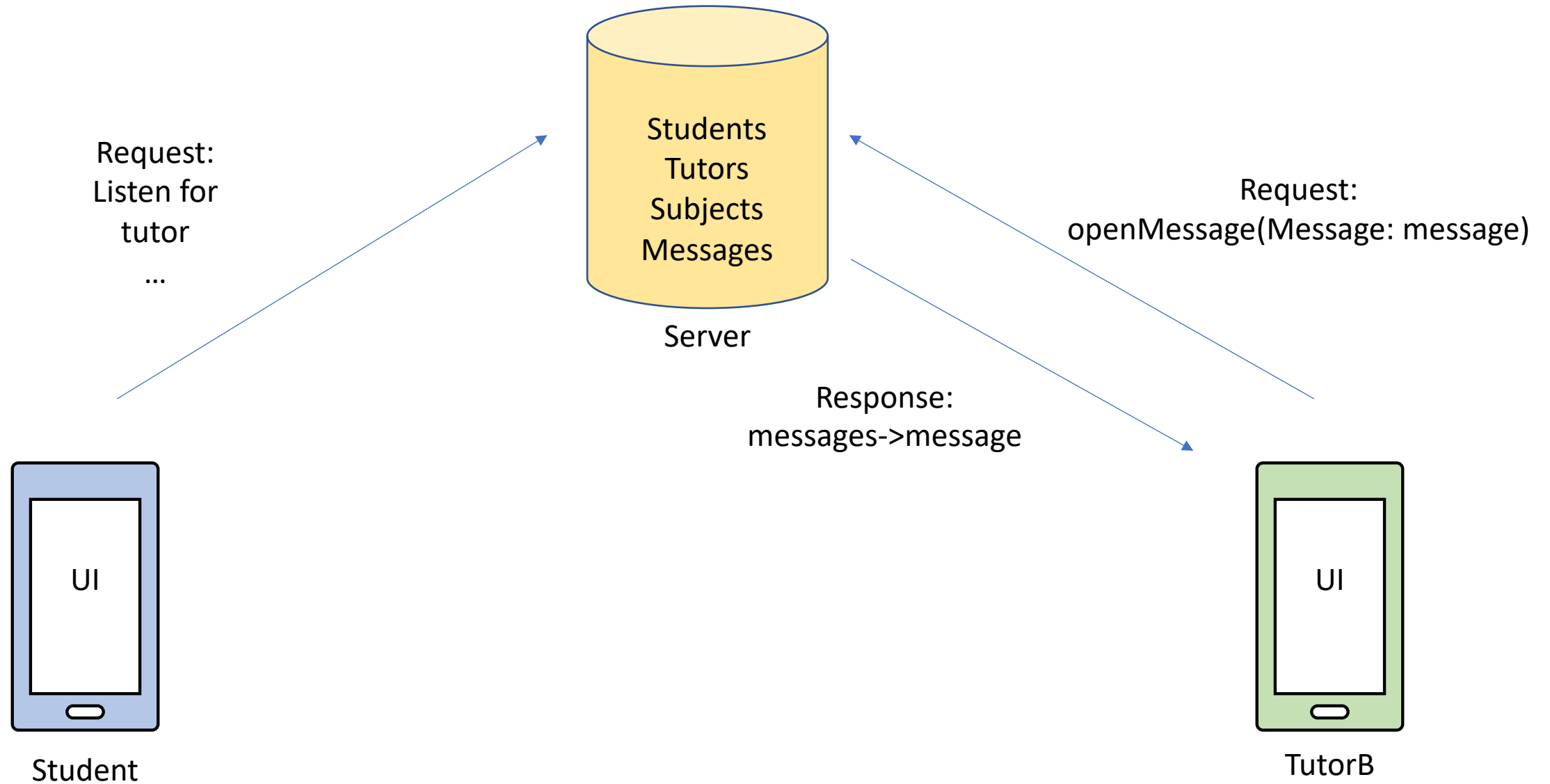
Client – Server Model



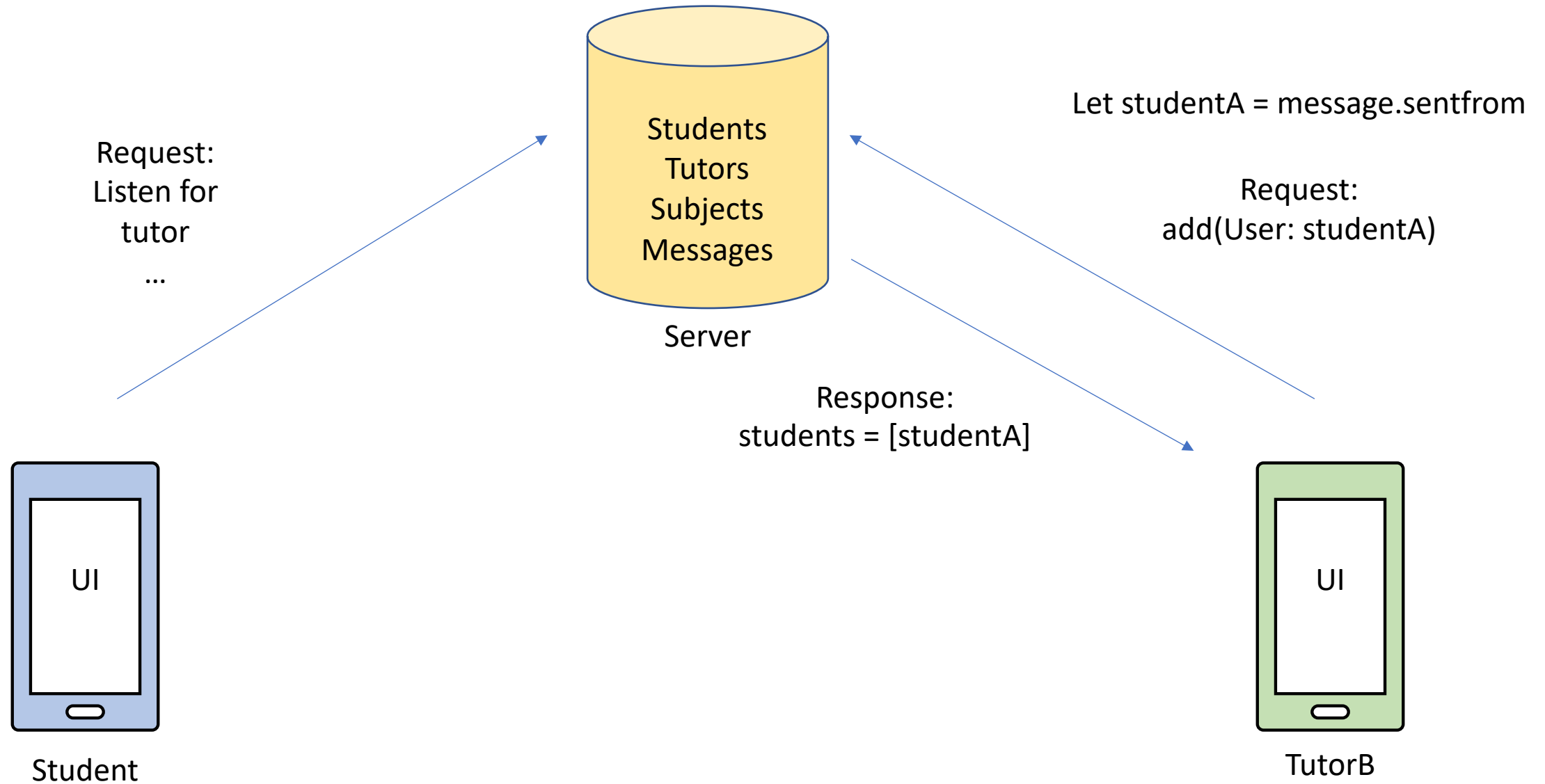
Client – Server Model



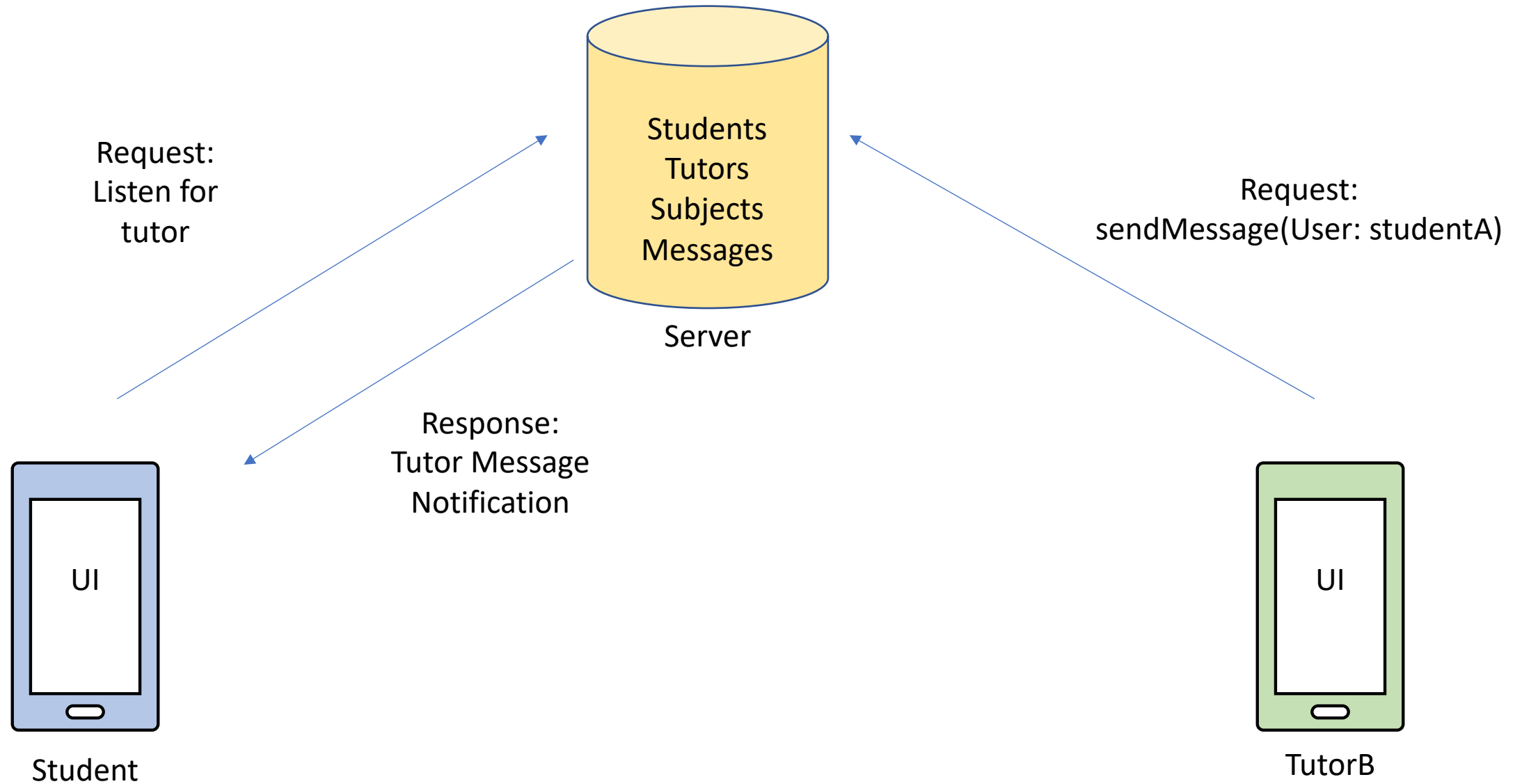
Client – Server Model



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Client – Server Model



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