SW Engineering CSC648/848 Section 01

EzJobs

Team 01

Team members

Name	Role
Rishita Meharishi	Team Leader & Frontend
Luai Almaznai	Frontend Lead
L Chow	Backend Lead
Zaw Win Tun	Scrum Master & Frontend
Yee Yang	Github Master & Fullstack

Milestone 3

10/23/2024

History Table

Revision #	Date	Description
1	10/23/2024	Initial document for milestone 3

Appendix I – Rubrics and checklist for Part 1 Milestone 3 review

Project Status and UI Review

Section: 01 Team: 01 Date: Number of students present:

1. UI and functionality feedback (P1 functions only)

During the meeting, students will demonstrate how to run your SW from the deployment server:
- Test 5~6 P1 features
- Show UI and usability: adherence to the feedback on UI mockup at M2, layout, flow, clarity, functionality, etc.

Instructor will
- Check functionality and record issues/observe bugs
- Share comments on key UI and functional implementation
- Verify enough web pages are implemented and connected
- Verify the Performance of the web page

Students must record the instructor's comment below. Then the team should meet to analyze feedback, prioritize and revise, and plan to implement changes accordingly. Note that immediately after the review meeting with the instructor, the team must finalize the P1 set of features and focus only on those from then on.

Instructor's comments on UI/functionality for your demo (should be during the class of M3 demo)

- The instructor likes the idea. She looks forward to seeing the AI interview prep and the AI chatbot feature.
UI needs some improvement in styling, font, etc.

- For the AI interview prep the instructor suggested that we also add technical interview questions after implementing behavioral questions.

Your plan for the comments

- We are trying to work on the errors that we have for both AI interview prep and contacts.
The AI interview prep has a double chat bug on both user inputs and openai responses, while contacts have an error with the add contact button that doesn't work and also doesn't add the contact to the database.
Going to work on fixing these two and try to add to AI interview prep for more features.

- Adding more design and styling and making the font a little bigger.

2. List of P1 features committed for delivery

Write down the candidate list of features before the demo and verbally explain it during the meeting if time is allowed. Based on the instructor's review comment, finalize your committed features. Once you commit to M3, you can not change during the rest of the semester. You should implement the committed features by M5.

Completed

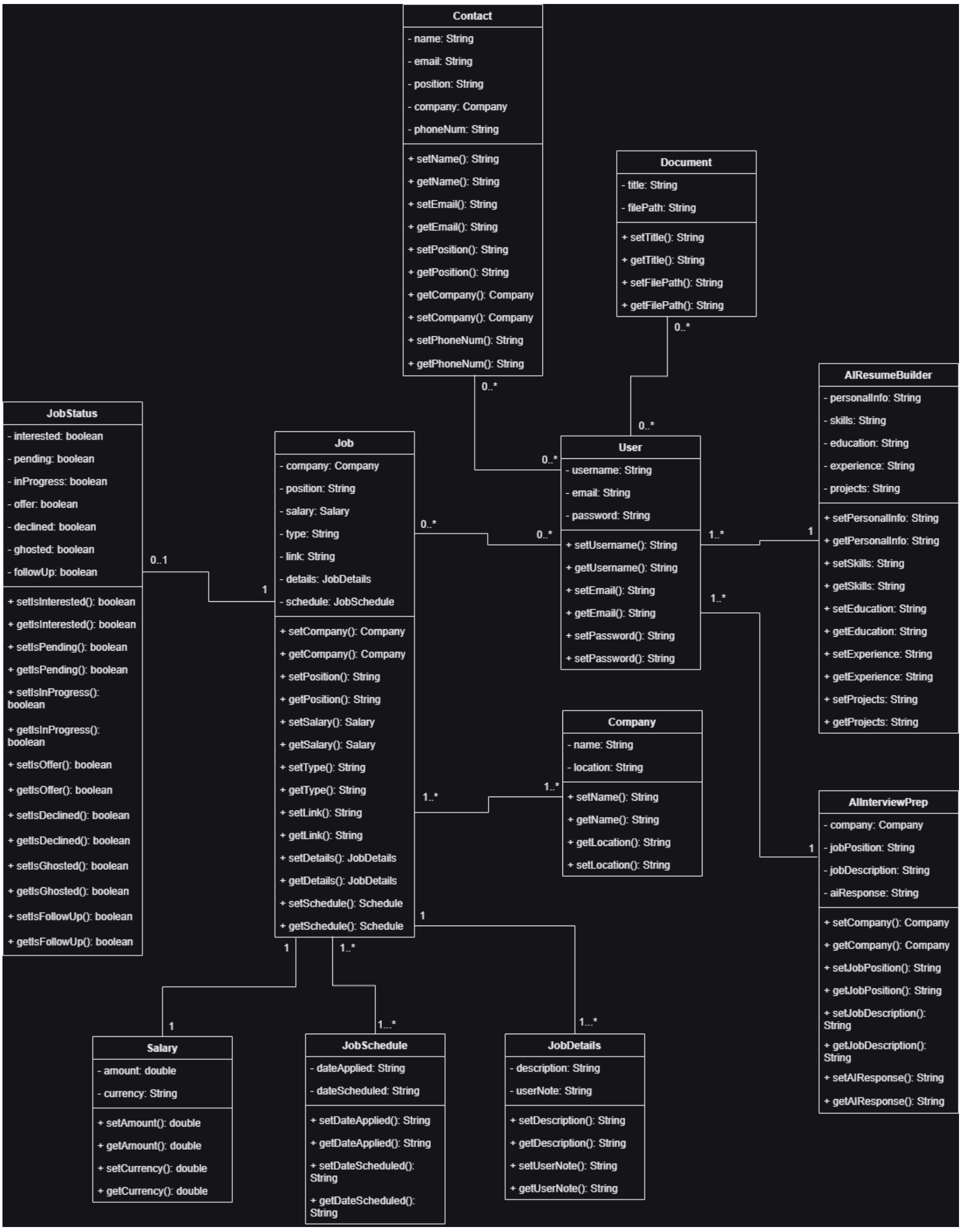
- Authentication - sign up
- Authentication - sign in
- Authentication - sign out
- Authentication - prevent unauthenticated access
- Jobs - API for get, search by company & type
- Job stats - API
- Job stats - calendar heatmap
- Job stats - bar chart
- Job stats - donut chart
- Job stats - sankey chart
- AI resume - frontend page
- AI resume - backend API
- Contacts - frontend page
- Contacts - add, search, delete
- AI interview - front-end chatbot
- AI interview - backend API
- Jobs - add, delete
- Jobs - frontend page

Todo in future milestone

- Jobs - kanban board
- Contacts - update
- Jobs - updated

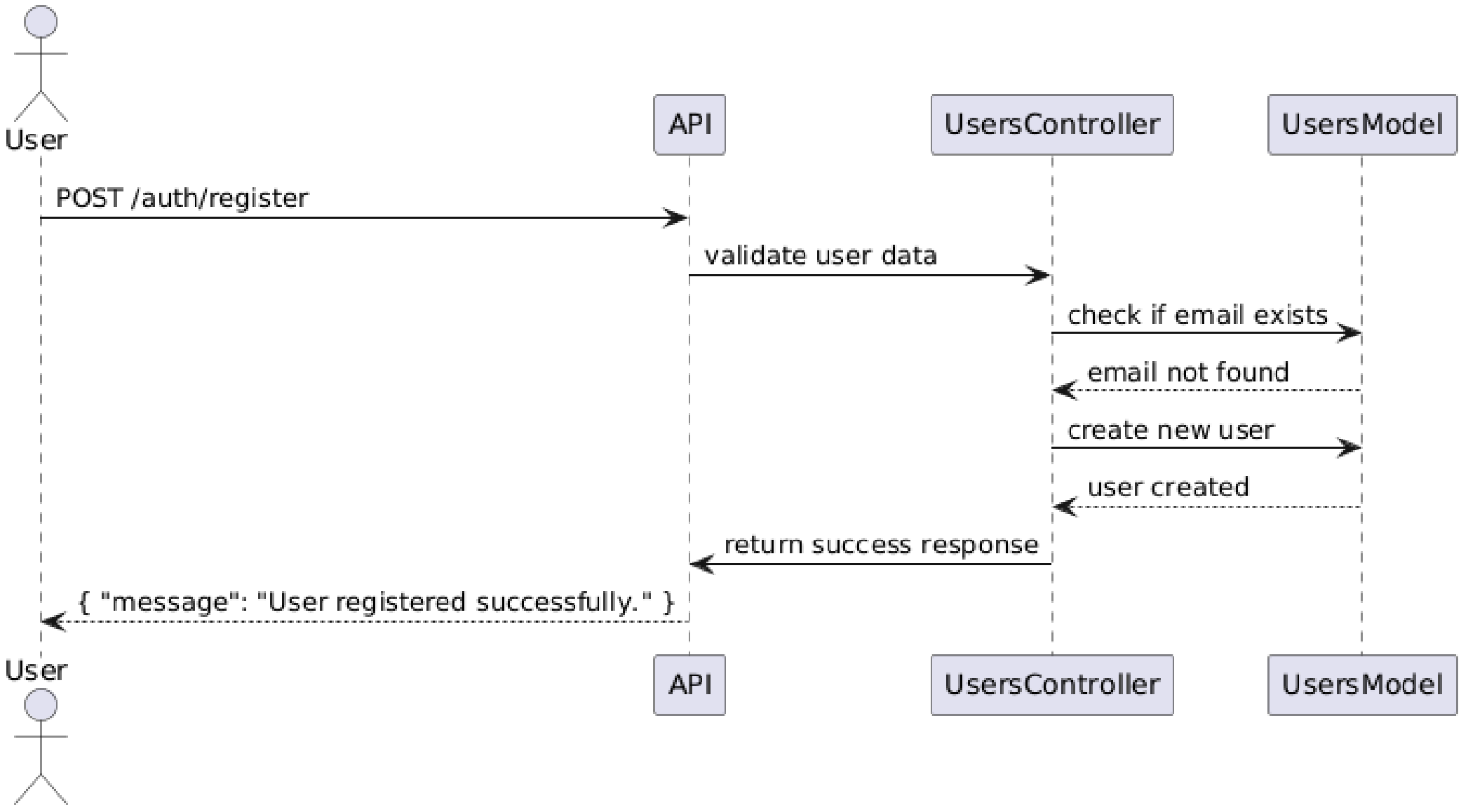
3. Architecture

Class Diagram

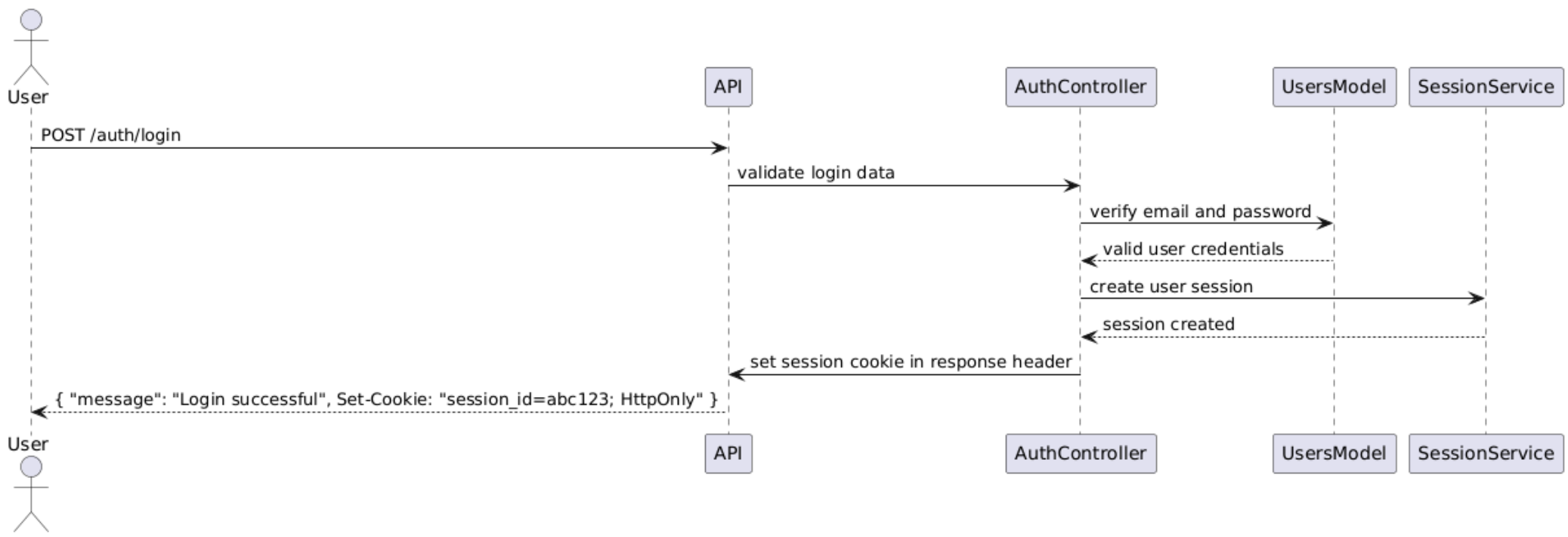


High-level sequence diagrams

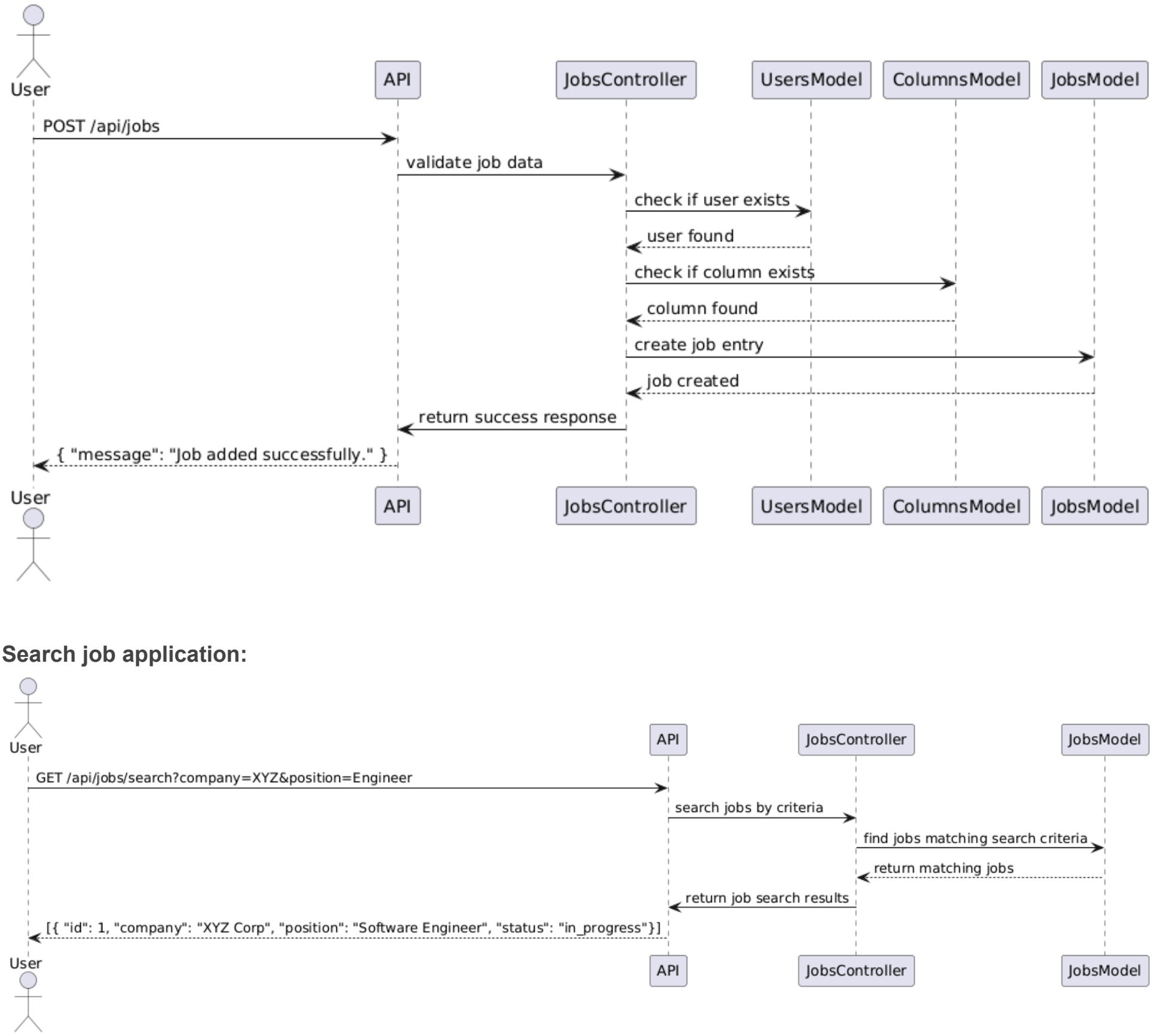
Register user:



Login user:

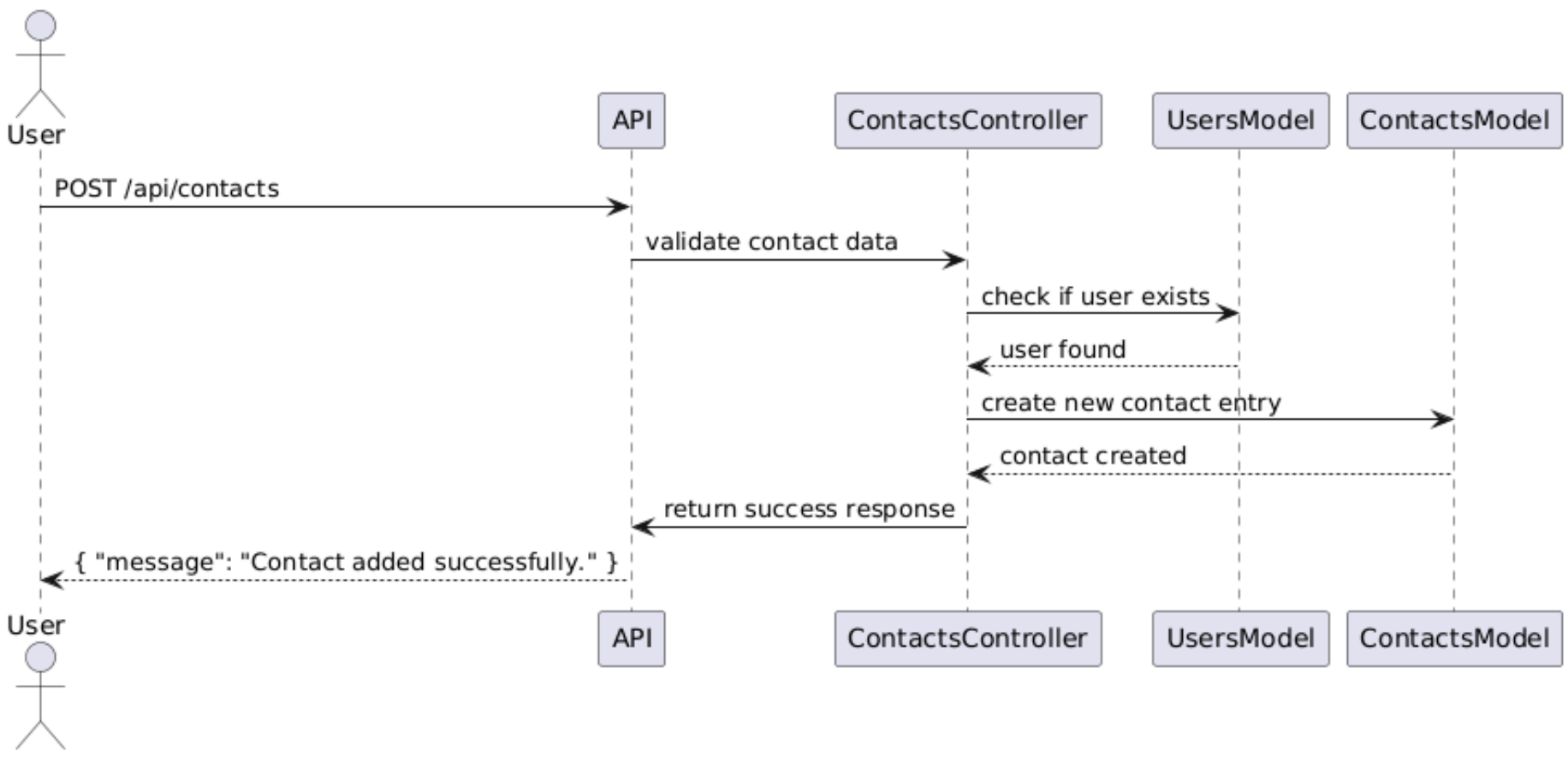


Add job application:

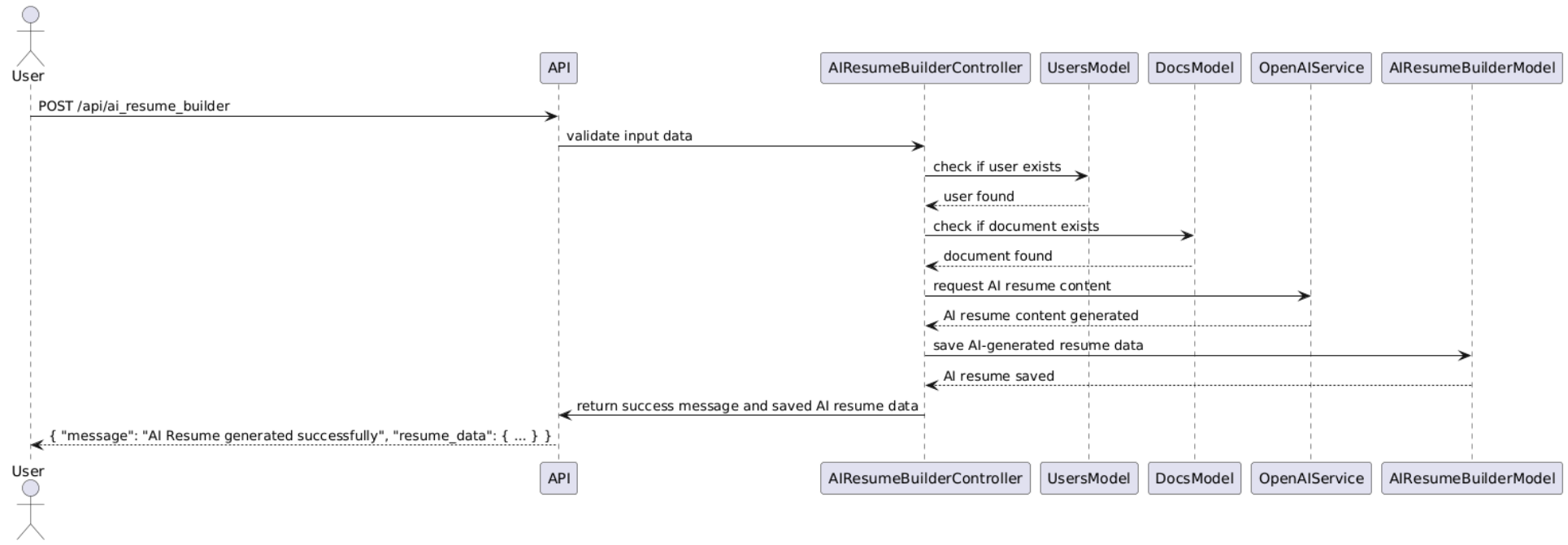


Search job application:

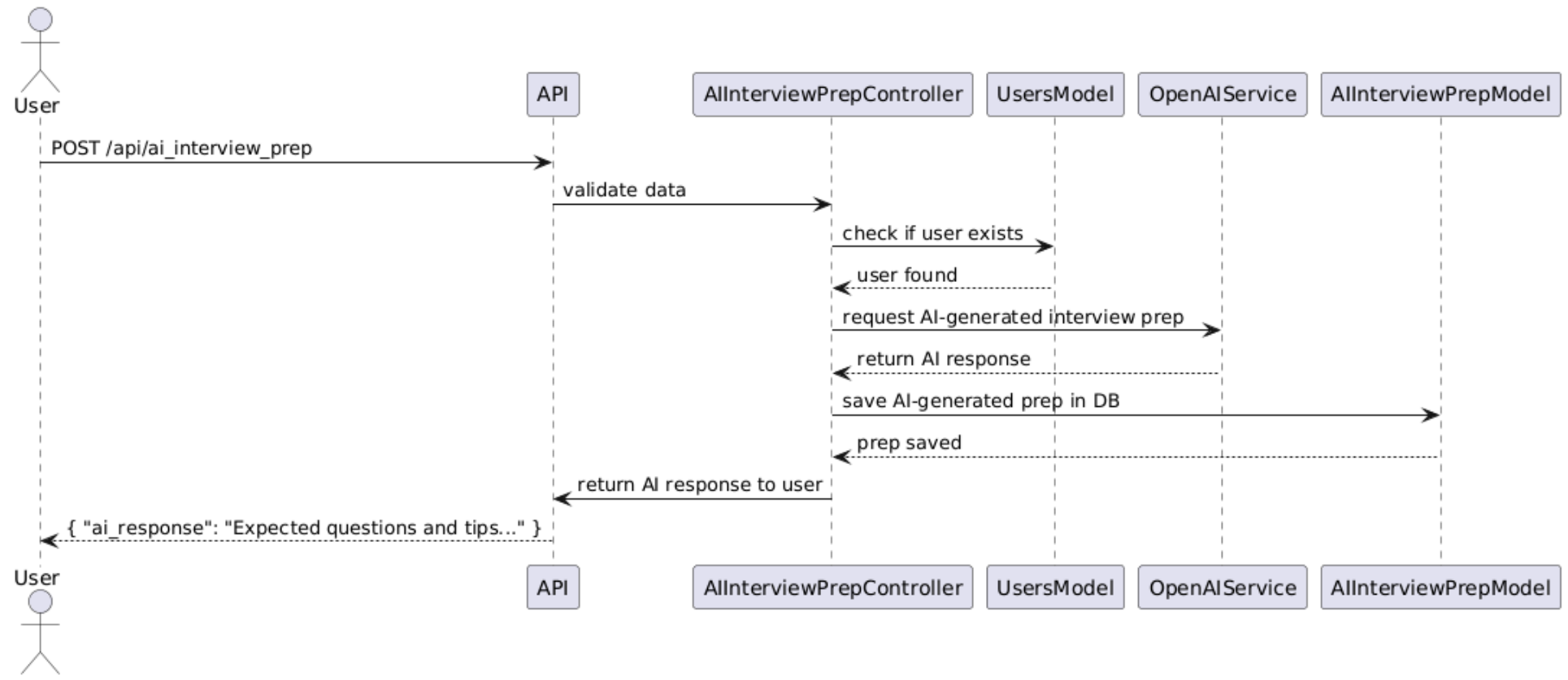
Add Contact:



AI resume builder:



AI interview prep:



4. Project status

- **Risk**: We often run into issues as a team. like, merge conflicts, debugging code, scheduling conflicts.

  Solution: Patience and persistence is the key. Remember that we have a common goal and we all help each other and work towards it. GitHub Master Yee did multiple GitHub & debug demos during weekly group meetings and provided detailed GitHub workflow guide and merge conflict practice on Discord. **Every team member is expected to read and follow the guide.**

  Reference: GitHub Workflow guide, Merge conflict practice

- **Risk:** no response from chatbot interaction

  Solution: learn more about API calls in order to make the chatbot more functional.

- **Risk:** Slow code reviews block the merging of feature branch pull requests into the master branch.

  Solution: GitHub Master Yee provided code review checklist. This checklist will streamline the review process, ensure consistency, and help reviewers focus on key areas, ultimately reducing delays. **Every team member should use this checklist and process code review & approval quickly and efficiently.**

  Reference: Code review checklist

Appendix II– Rubrics and checklist for Part 2 Milestone 3 review

SW Review (to be done off-line by TA after Part 1 review)

Section: 01 Team: 01 Date:

	Grading Checkpoint	Feedback
GitHub Organization organization of branches (Our dev branch is `master` branch)	• Dev and feature branches are properly set up and used.	
GitHub Usage code review practices	• How many code reviews have been done since the M3 announcement • How meaningful code reviews are. (ex. “look good” does not have much meaning)	
Deployment	• Frameworks (back end front end) deployed correctly	