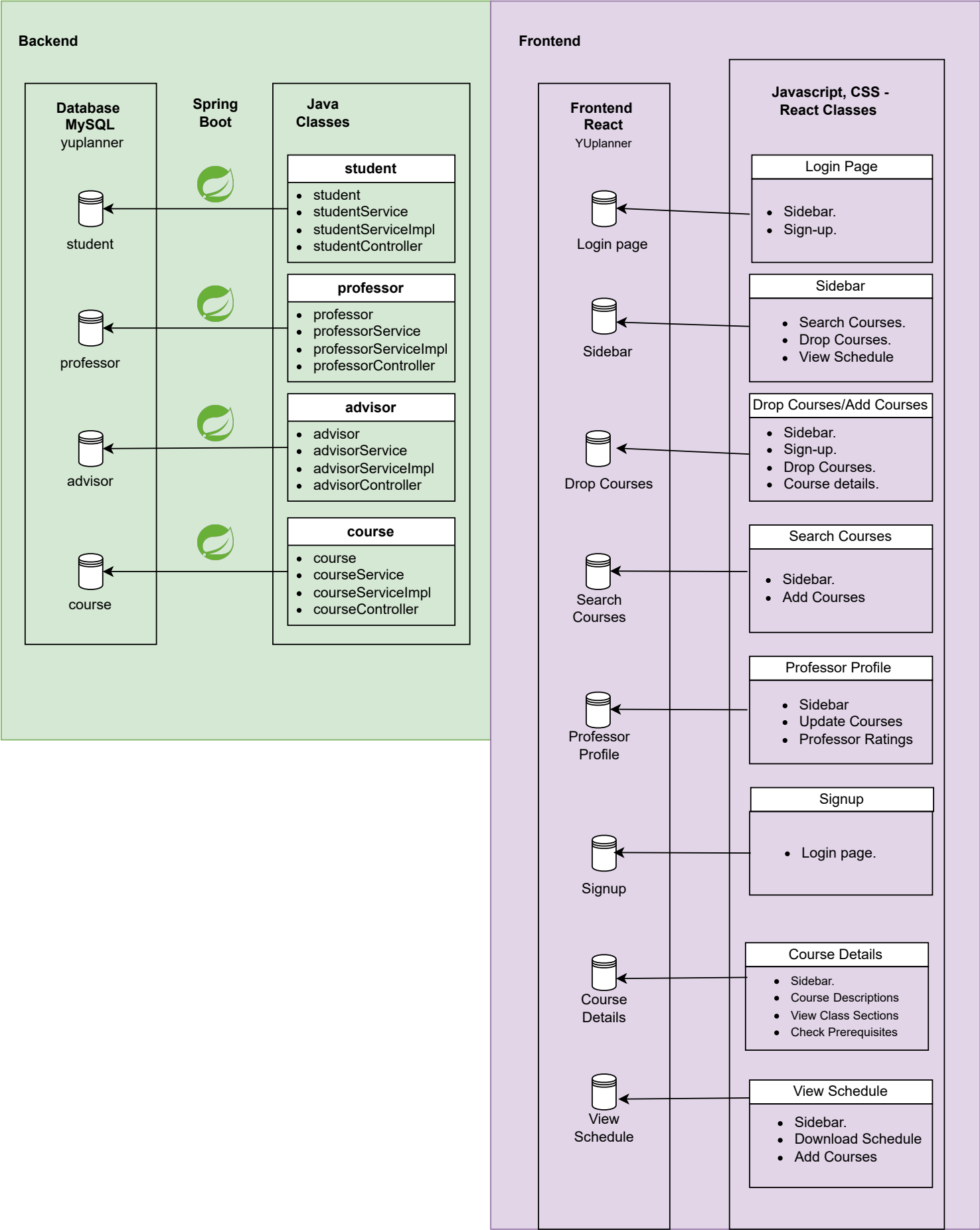


System Design Architecture



ClassName: Add Courses	
Parent Class (if any): none Subclasses (if any): none	
Responsibilites: <ul style="list-style-type: none">• Provides a 'enrol' feature to add the course to the 'Drop Courses' page allowing students to drop the course if needed in the future.	Collaborators: <ul style="list-style-type: none">• MUI for styling, dropdown, search bar, and table components• Backend API for course data

ClassName: Download Schedule	
Parent Class (if any): none Subclasses (if any): none	
Responsibilites: <ul style="list-style-type: none"> • Provides users with a download feature to allow them to download their schedule as a PDF format for future reference. • Stores the PDF in the downloads folder of their device. 	Collaborators: <ul style="list-style-type: none"> • MUI for styling. • Backend API for course data. • jsPDF and html2canvas imports.

ClassName: View Schedule	
Parent Class (if any): none Subclasses (if any): none	
Responsibilites: <ul style="list-style-type: none">• Provides users with a 'view schedule' functionality where they can overview their fall and winter 2024-2025 schedule.	Collaborators: <ul style="list-style-type: none">• MUI for styling, and table components• Backend API for course data

ClassName: View Course Descriptions	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: <ul style="list-style-type: none"> • Provides a page that displays a description for each course • Ensures the course description is easily visible and accessible on the course detail page • Ensures the description aligns with the specific course chosen 	Collaborators: <ul style="list-style-type: none"> • MUI (Material-UI) for styling, and text. • Backend API for fetching course data, including description details from database using MySQL

ClassName: Check Prerequisites	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: <ul style="list-style-type: none">• Displays the prerequisites requires for each course in the table.• Ensures the prerequisites are listed in an readable format	Collaborators: <ul style="list-style-type: none">• MUI (Material-UI) for styling, tables, and headings• Backend API for fetching prerequisite data from database using MySQL

ClassName: View Class Sections	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: <ul style="list-style-type: none"> • Provides tables of available sections for each course, with timing, location, and instructors. 	Collaborators: <ul style="list-style-type: none"> • MUI (Material-UI) for styling, tables, and headings • Backend API for fetching data from database using MySQL • Sections of courses are related to View Schedule

ClassName: Move Sections	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: <ul style="list-style-type: none">• Students can choose which sections the want and drop if they want to move.	Collaborators: <ul style="list-style-type: none">• MUI (Material-UI) for styling, tables, and headings• Backend API for fetching data from database using MySQL

ClassName: Update Course Information

Parent Class (if any): None
Subclasses (if any): None

Responsibilites:

- Provides professors with an interface to update course information such as description and contact details

Collaborators:

- MUI (Material-UI) for styling, buttons, and headings
- Backend API for fetching professor data from database using MySQL

ClassName: Professor Ratings	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: The Professor can edit his profile The Professor can read the student's reviews Professor can add the courses description	Collaborators: <ul style="list-style-type: none">• MUI (Material-UI) for format and style• Backend API for fetching data from database using MySQL

ClassName: Professor Profile	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: <ul style="list-style-type: none">- Professor's can add, view, and update their profile details, course information, and research programs- Students can view professor profiles to view information and reviews- Dynamically updates edits made by professor	Collaborators: <ul style="list-style-type: none">• MUI (Material-UI) for styling and format• Backend API for fetching data from database using MySQL

ClassName: Move Sections	
Parent Class (if any): None Subclasses (if any): None	
Responsibilites: <ul style="list-style-type: none">• Students can choose which sections the want and drop if they want to move.	Collaborators: <ul style="list-style-type: none">• MUI (Material-UI) for styling, tables, and headings• Backend API for fetching prerequisite data from database using MySQL