

What is this all about ?

We will design an application that solves some problems for dormitory services. This application will contain a membership system, a payment system and a gps system. With this app students will be able to book a service until half an hour before the service hour. Thus, drivers will see how many students will use the service at a time.

The Main Problems

- How many students will use the service during the service hour.
- Service charges are not paid on time.

Previous Solutions to These Problems

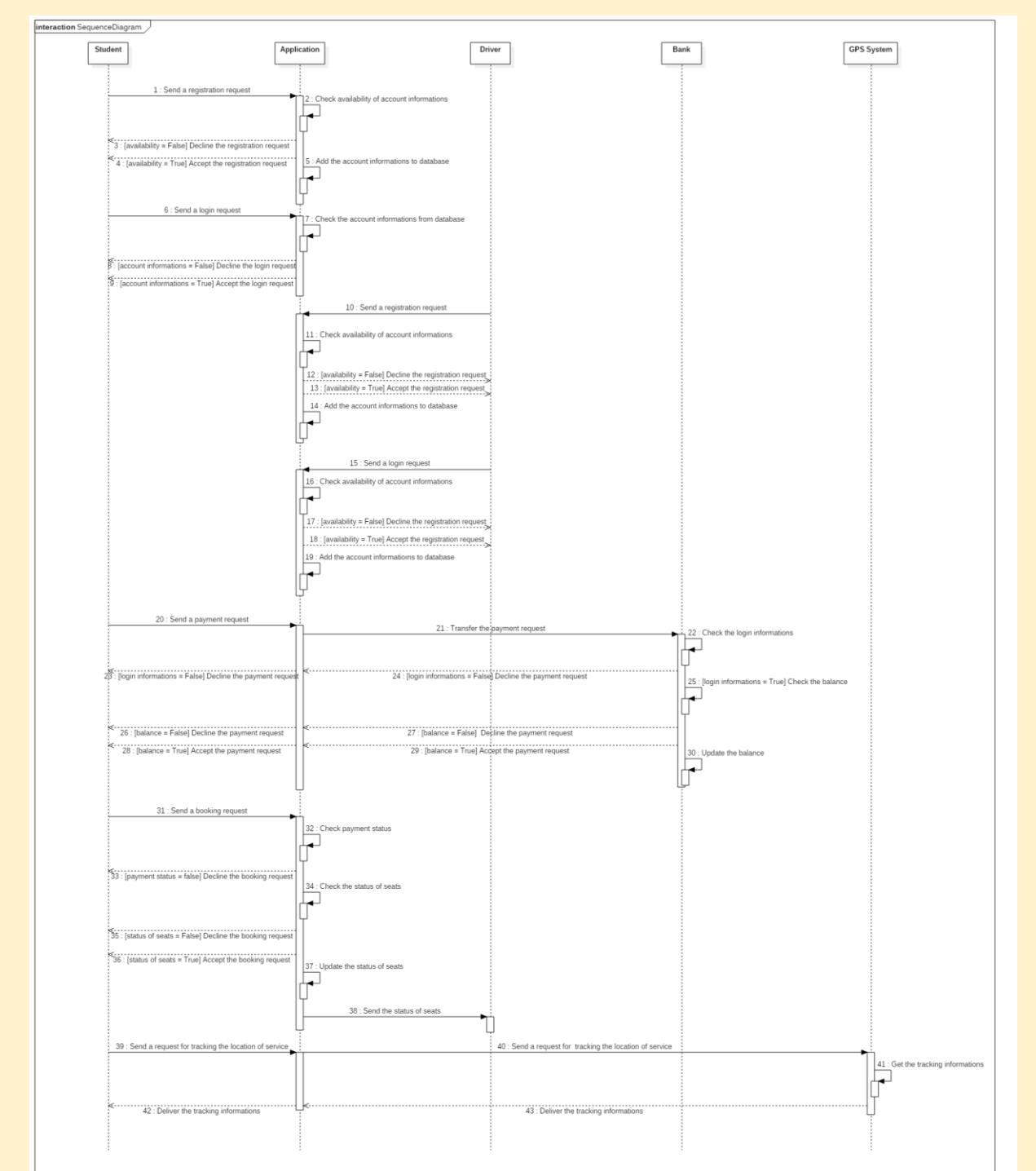
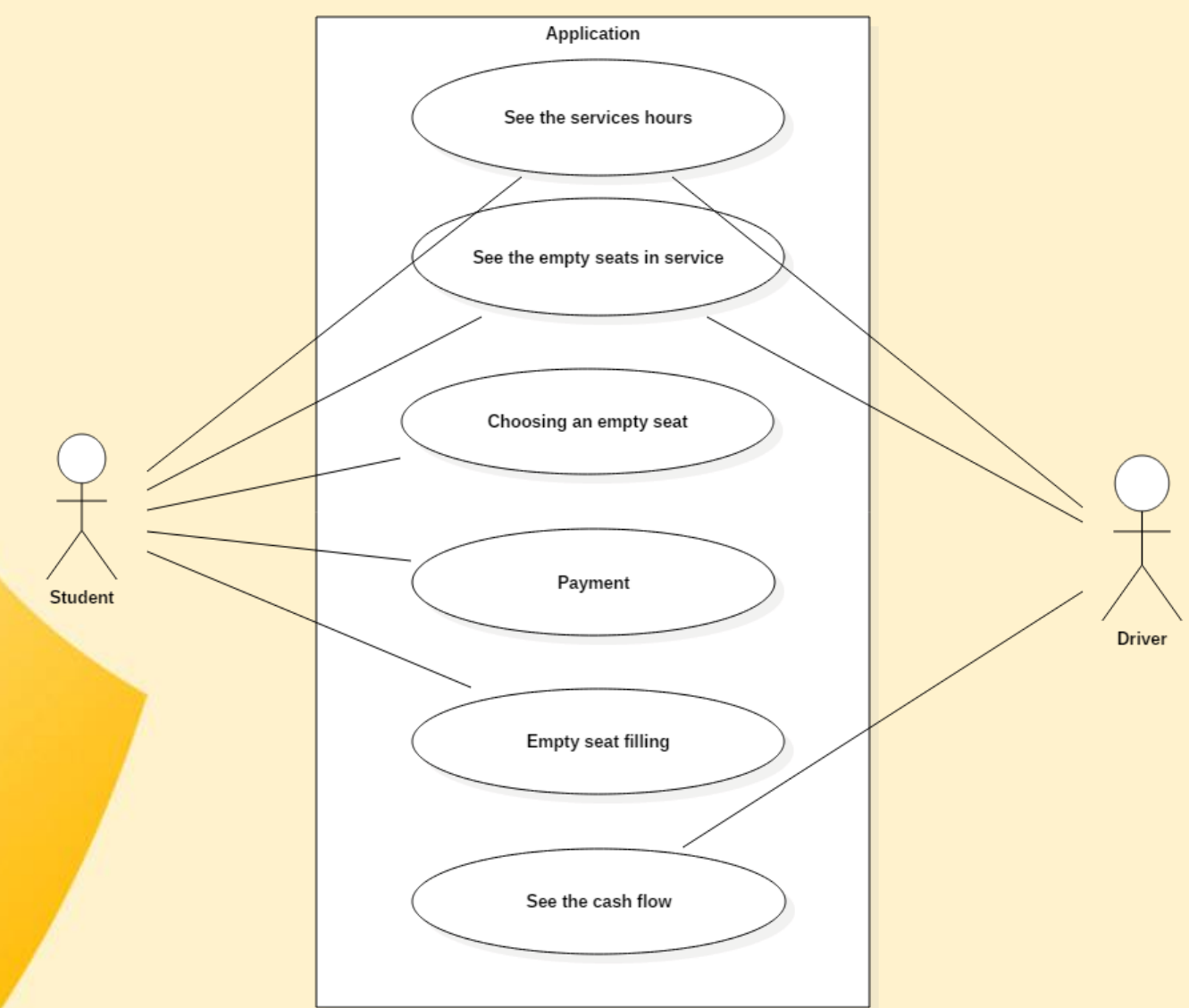
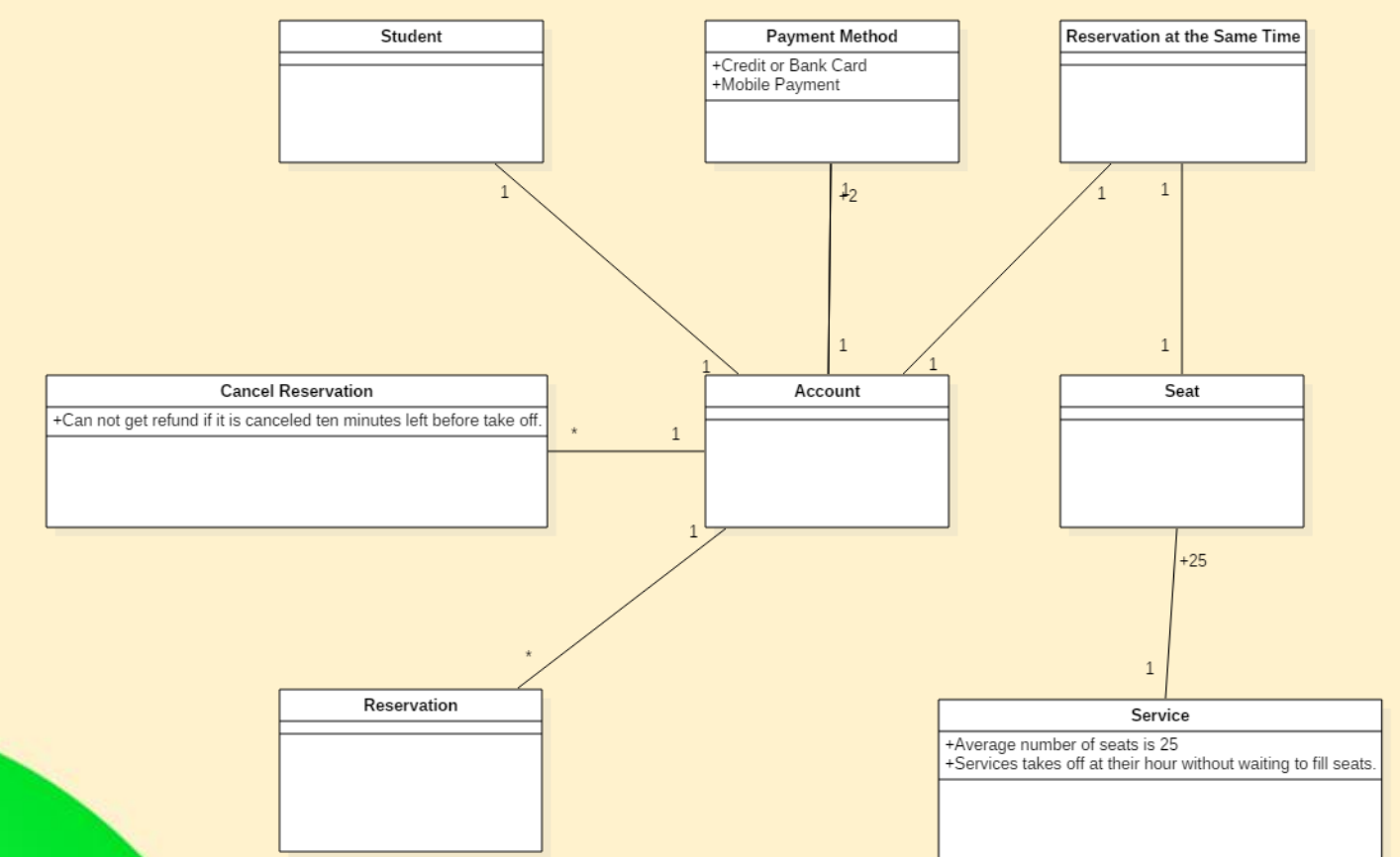
- Service Bus Departure Time Schedules
- Warning people who didnt pay the charge

Our Solutions

- A mobile app for students to reserve a place for the next bus
- GPS system in each services for students to see the current location from mobile app
- Dormitory cards with chip
- Card reading system in each services
- A membership system for students and drivers
- Online payment system for students to pay charge easily

Description of the project

We will design an application that solves these problems. This application contains membership for students and drivers. Students will be able to sign up with their dormitory number. Drivers will be able to sign up with their staff number. Students will be able to book a service until half an hour before service hour. Thus, drivers will see how many students will use the service at that time. Students will be able to pay service fees with online payment system. Students who do not pay can not make booking. Students can see information of service(driver name, ID number of service). Each service will contain GPS. Thus, students can see where is the service. The students making the reservation will be able to use with their dormitory cards by card reading system in each service.



Who will use this system ?

- This system is for students who stay at the dormitory and use the service busses

The Main Requirements

- A web server to maintain website and mobile application
- A useful mobile android and ios application
- GPS tracking device in each bus
- A payment system



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