

CSE 120 Midterm Exam

Fall 2022

Bryant Chon

By completing this exam, I acknowledge and confirm that I will not give or receive any unauthorized assistance on this examination. I will conduct myself within the guidelines of the university academic integrity guidelines.

Task 1

User Story 1

As a university student, I want up to 50 different schedules that fit my classes.

Acceptance Criteria:

Ensure the university student is able to:

- Log in to mobile app.
- Enter classes they want to take.
- Generate up to 50 different schedules.

User Story 2

As a university student I want to filter the generated class schedules with different parameters such as late classes, minimizing gaps, and even inputting my work schedule and meeting times.

Acceptance Criteria:

Ensure the university student is able to:

- Log in to the mobile app.
- Navigate to filter section.
- Enter parameters.
- Generate up to 50 different schedules based on filters.

User Story 3

As a university student I want to be able to port my generated schedule with Google Calendar with the click of a button.

Acceptance Criteria:

Ensure the university student is able to:

- Log in to the mobile app.
- Generate schedule.
- Choose schedule to port.
- Navigate to Google Calendar port section.
- Press Port Button.
- Port schedule to Google Calendar.

User Story 4

As a university student I want to be able to follow classes and receive a notification when a spot opens up.

Acceptance Criteria:

Ensure the university student is able to:

- Log in to the mobile app. Search for a class. Choose a class.
- Navigate to Follow section. Check Box to receive notifications. Press Follow button.

Task 2

Use Case 1:

Name: User Story 1

Actors: University student, smartphone, list of classes.

Entry Conditions: Student enters list of classes to search.

Exit Conditions: Up to 50 different schedules are generated.

Event Flow:

1. Student logs in to app.
2. Student enters list of classes to search.
3. The program returns up to 50 different schedules.

Special Requirements: Student must enter a minimum of 2 classes to generate schedule.

Use Case 2:

Name: User Story 2

Actors: University student, smartphone, list of classes.

Entry Conditions: Student enters list of classes to search, enters filters, then press search button.

Exit Conditions: Generate up to 50 different schedules based on classes and filters.

Event Flow:

1. Student logs in to app.
2. Student enters list of classes to search.
3. The program returns up to 50 different schedules based on filters.

Special Requirements: Student must enter a minimum of 2 classes to generate filtered schedule.

Use Case 3:

Name: User Story 3

Actors: University student, smartphone, list of classes.

Entry Conditions: Student chooses the class schedule to port.

Exit Conditions: Port to Google Calendar with chosen class schedule.

Event Flow:

1. Student enters list of classes to search.
2. The program generates a schedule,
3. The student chooses the class schedule to port to Google Calendar.
4. The student presses Port Button.

Special Requirements: Only one class schedule can be ported at a time.

Use Case 4:

Name: User Story 4

Actors: University student, smartphone, list of classes.

Entry Conditions: Student chooses the class to follow.

Exit Conditions: Student checks box to receive notifications and presses follow button.

Event Flow:

1. Student logs in to app.
2. Student searches for class to follow.
3. Student checks box to receive notifications and then presses the follow button.

Special Requirements: Must check box to receive notifications.

Task 3

