
Higher Education Solutions, Inc.

**Alpha Advisement System
Use-Case Specification: Schedule Creation**

Version 1.1

Alpha Advisement System	Version: 1.1
Use-Case Specification: Schedule Creation	Date: 06/02/21
REM-UC-20034-02	

Revision History

Date	Version	Description	Author
02/06/21	1.0	Initial Release	C. Walker, N. Cox
02/06/21	1.1	Added Degree Evaluation Use Case	C. Walker, N. Cox

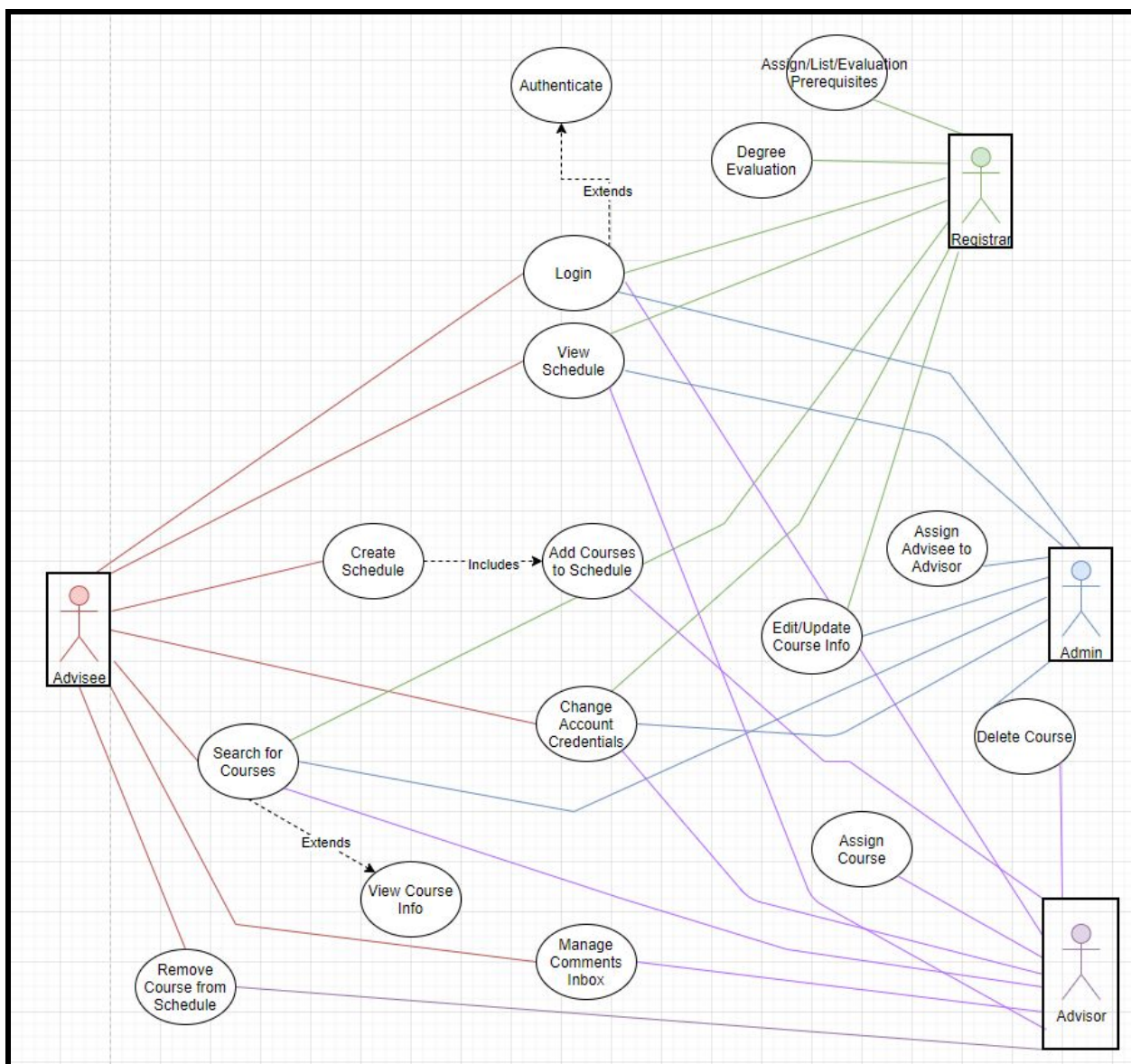
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Use-Case Specification: Schedule Creation



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1. **Use-Case Name: Create A Schedule**

Brief Description

An advisee needs to create a schedule within the Alpha Advisement System. The advisee has access to logins, and once they are in, they can create a schedule by searching for classes. When a class is found, the course can be added into the schedule.

2. **Flow of Events**

Basic Flow

- A. Advisee logs into system: User credentials and password is presented and authenticated
- B. Search for available courses: Advisee searches for a course via course name, number, or description.
- C. View course info: Advisee can then view the information of a course that was searched. This information includes professor information, course description, course materials, and course number.
- D. Create Schedule: Advisee can then opt into creating a schedule.
- E. Add course to schedule: Courses that are searched can be added to the schedule.
- F. Remove course from schedule: Advisee and advisor can remove an unnecessary course from an advisee's schedule.
- G. View Schedule: Existing schedules can be viewed at any time to check for accuracy as well as upcoming courses and course load.
- H. Manage Comments Inbox: Comments can be added to schedules by advisors, and they are then acted upon by the advisee in order to then upgrade or update a schedule.

Alternative Flows

2.1.1 Login Error

Advisee enters invalid credentials that prevent access to the system.

2.1.2 Course Capacity reached

Advisee is unable to register for a course since capacity has been reached. Advisee can choose to be placed on a waitlist for the course.

2.2.3 Advisee has registration holds

Advisee is unable to make changes to schedule due to outstanding requirements. Requirements must be fulfilled before being granted permissions to change schedule.

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3. Special Requirements

- 3.1 Application must be compatible with modern 64-bit systems.
- 3.2 A minimum requirement of 2GB RAM will help to ensure smooth operational performance with a modern browser.
- 3.3 Students often utilize mobile applications and browsers to access and modify their schedules. Client-side UI must be compatible with Iphone and Android.
- 3.4 Default Browsers such as Microsoft Edge and Safari Browser shall be compatible with the application.

4. Preconditions

- 4.1 Must have credentials to access the system.

5. Postconditions

- 5.1 Finalize the schedule with approval of an advisor.
- 5.2 Revise the schedule with comments collected from an advisor.

6. Extension Points

6.1 Login Authentication

Extends directly after login occurs (near the top of the diagram).

6.2 View Course Info

Extends directly from searching for courses (located near the advisee)

7. Use-Case Name: Degree Evaluation

Brief Description

Registrars have the ability to critique, update, and edit information pertaining to course prerequisites and degree evaluations for the students.

8. Flow of Events

Basic Flow

- A. Assign prerequisites: Course prerequisites are loaded into the system
- B. List prerequisites: Registrars can then list out the pre-reqs to advisees.
- C. Evaluate prerequisites: Registrars can help to evaluate whether or not an advisee has the required pre-reqs to take a course.
- D. Degree evaluation: Registrars then help to evaluate degrees and provide a timetable that matches the schedule.

Alternative Flows

- 8.1.1 N/A

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9. Special Requirements

- 9.1 Application must be compatible with modern 64-bit systems.
- 9.2 A minimum requirement of 2GB RAM will help to ensure smooth operational performance with a modern browser.
- 9.3 Students often utilize mobile applications and browsers to access and modify their schedules. Client-side UI must be compatible with Iphone and Android.
- 9.4 Default Browsers such as Microsoft Edge and Safari Browser shall be compatible with the application.

10. Preconditions

- 10.1 For Degree evaluation, advisee's must have a degree completion that is greater than 0%.

11. Postconditions

- 11.1 Apply for graduation.

12. Extension Points

- 12.1 N/A