AggieAssign – User Documentation

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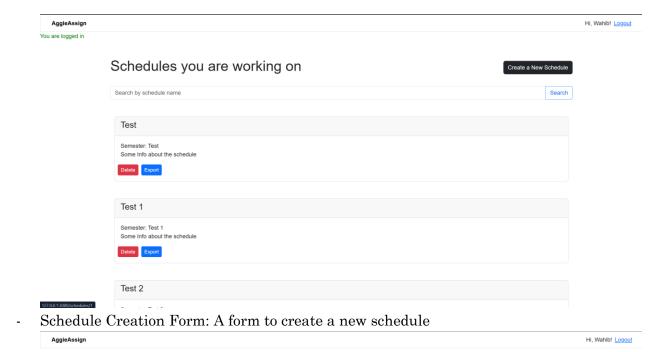
Basic Application Structure and Pages

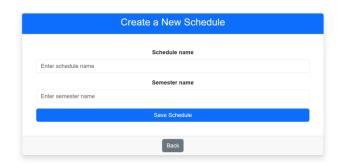
This application consists of 5 main pages/views.

- Login Page: A page to allow simple login

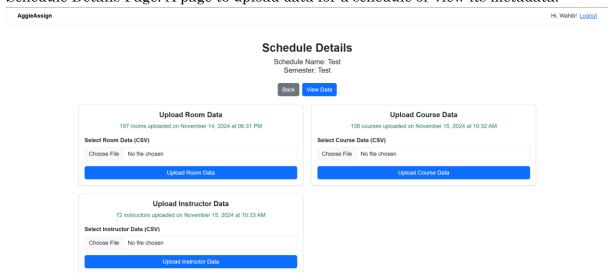


- Schedules List Page: A page with all the schedules for the user.





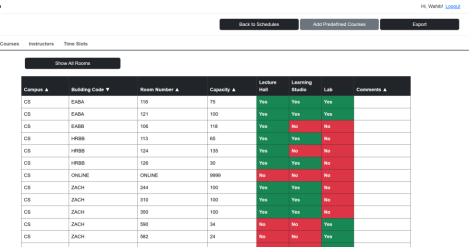
- Schedule Details Page: A page to upload data for a schedule or view its metadata.



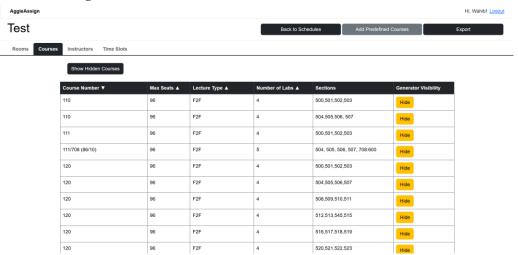
- Schedule Data View: A page to view the uploaded data for a schedule in the form of tables. This page further has 4 tabs for each available data for a given schedule.

Test

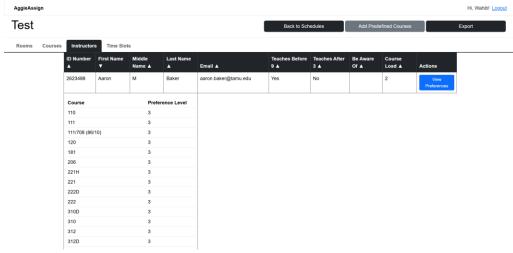
o Rooms Tab - Data about Room Availability and Unavailability of the rooms



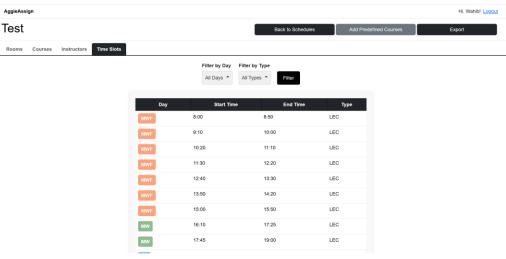
 Courses Tab – Data about every course and the sections that need to be scheduled together



o Instructor Tab – Data about every instructor and their teaching preferences



o Time Slot Tab – Available time slots



- Predefined Courses View: A view to build an actual schedule by adding the predefined courses to room bookings and time slots.



How to upload data?

- 1. After creating a schedule, you can click on it in the schedule list to go to the **Data View.**
- 2. Then choose a csv for rooms from your local system and click on **Upload Room Data**.
 - The structure for rooms csv should be identical to the below data campus, building_code, room_number, is_lab, is_lecture_hall, is_learning_studio, capacity, is_active, comments

 CS,AIEN, M309, False, False, False, 9999, False,

 CS,ARCA, 107A, False, False, False, 9999, False,

 CS,ARCA, 107B, False, False, False, 9999, False,

 CS,ARCB, 101, False, False, False, 9999, False,

 CS,ARCB, 209, False, False, False, 9999, False,

 CS,ARCC, 105, False, False, False, 9999, False,

 CS,ARCC, 109A, False, False, False, 9999, False,

. .

- 3. Then choose a csv for courses from your local system and click on **Upload Courses Data**.
 - a. The structure for courses should be identical to the below data

```
Class,Max. Seats,Lecture Type,#Labs,Section number,Seat Split 110,96,F2F,4,"500,501,502,503","24,24,24,24" 110,96,F2F,4,"504,505,506, 507","24,24,24,24" 111,96,F2F,4,"500,501,502,503","24,24,24,24" 111/708 (86/10),96,F2F,5,"504, 505, 506, 507, 708:600","24, 24, 24, 14, 10"
```

- 4. Then choose a csv for rooms from your local system and click on **Upload Instructors Data**.
 - a. The structure for instructors should be identical to the intructors_preference_anonymized.csv shared with us with added fields for First Name, Middle Name, Last Name, Email

How to add predefined courses and generate courses?

For adding predefined courses we need to be in the Predefined Courses View.

- 1. Select a schedule.
- 2. After uploading all the required data. Click on View Data.
- 3. Select the slot you want to add a course to. It will highlight in yellow.
- 4. Select the course section, by clicking on the select, that you would want to add to the slot.
- 5. After clicking it should show up on the Time Slot x Rooms Matrix. Here one can add the courses and select professors.
- 6. Clicking on Unlocked one can lock this course to the slot so that the generate courses are not affected by it.
- 7. Blocking Timeslots can also be done, by click on BL. This reflects across all overlapping timeslots.
- 8. To autofill rest of the schedule Click on Generate Remaining. This may take upto 5 minutes.

How to download a generated schedule?

After creating your schedule there are 2 places to download csv of the schedule from.

- 1. Click on **Export** in the **View Data Page**.
- 2. Click on **Export** for the given schedule in the **Schedules List Page**.

Current known flaws

While we have worked hard for 4 sprints to get as much done as possible the app is not without flaws. Some known flaws are:

1. Generating a schedule with a locked course unlocks it, but does not change it's position.

- 2. Generating a schedule does not retain the instructors for a locked course.
- 3. The app is not as intuitive as intended to be.
- 4. The app is slow when it come to uploading instructors.