

CS Scheduling App Final Design

Time Wizards

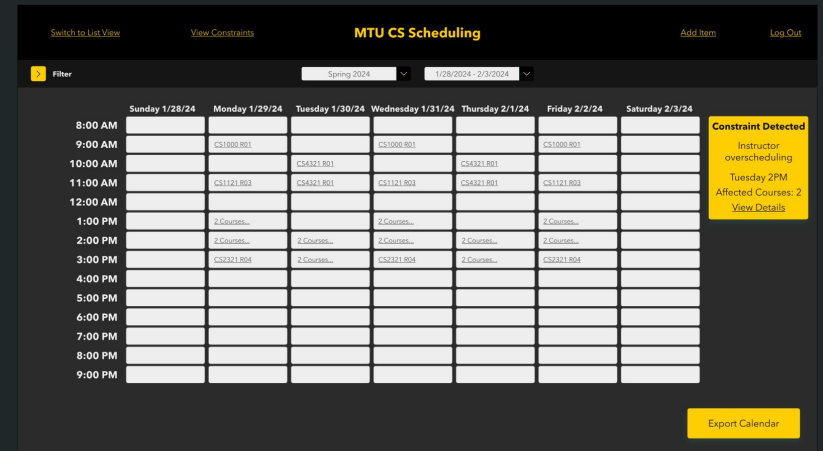
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Reminder of our App

Our app is the Computer Science Scheduler. It is used by the head of the CS department to build the schedule and prevent overlapping classes or other conflicts. We have a list view and calendar view available to show the current schedule being built along with past schedules. Our product can be used to add, edit, or remove classes to help build a schedule for the next semester to be sent to Academics.

Additionally, the app warns the user of any conflicts found between courses, known as constraints.



App Users

Administrators:

- Builds schedule
 - Adds new courses
 - Removes old courses
 - Updates course information
- Creates constraint rules
 - e.g. CS2311 and CS2321 should not be taught at the same time

Viewers (Faculty/staff & TAs):

- Views course list
 - Apply search filters
- Views course calendar

Demonstration

Usability Concerns

- Struggling to navigate the app's various pages
- Not having sufficient “help” menus to assist those making the schedule.
- May be “too messy” when getting near the end of building the schedule.
- Might be difficult for the user to understand what they are looking at.
- Issues go undetected upon project completion

Components Finished

- Database schema
- Major views
 - Calendar view
 - List view
 - Constraints view
- Toggling active constraints
- Design and Looks
- Spring Security
- Adding courses to schedule
- Adding course sections to schedule

Components Planned to Finish

- Finalize Calendar/List View
 - Filter system
 - Show constraints
- Help menus
- A pop-up showing more information about a given course.
- Showing semesters separately
- Edit/Remove Courses & Sections
- Error Proofing/Bugfixes

Instructional/Helpful Content

- Help (?) buttons
- Export function
- Usage documentation

Switch to Calendar View View Constraints **MTU CS Scheduling** Add Item Log Out

Edit Course

Semester: Spring 2024

Course Name: CS1000 R01

Timeslot: 9:00 AM - 9:50 AM

Monday Tuesday Wednesday Thursday Friday

Professor: Linda Ott

Location: Fisher Class Occupancy: 60

Save Course

Switch to List View View Constraints **MTU CS Scheduling** Add Item Log Out

Filter Spring 2024 1/28/2024 - 2/3/2024

Time	Sunday 1/28/24	Monday 1/29/24	Tuesday 1/30/24	Wednesday 1/31/24	Thursday 2/1/24	Friday 2/2/24	Saturday 2/3/24
8:00 AM							
9:00 AM		CS1000 R01					
10:00 AM							
11:00 AM		CS1121 L01					
12:00 AM							
1:00 PM		2 Courses					
2:00 PM		2 Courses					
3:00 PM		1 Course					
4:00 PM							
5:00 PM							
6:00 PM							
7:00 PM							
8:00 PM							
9:00 PM							

CS1000 R01

Timeslot: 9:00 AM - 9:50 AM Monday, Wednesday, Friday

Professor: Linda Ott

Location: Fisher 124

Students: 60

Save Course

Constraint Detected

Instructor overscheduling

Tuesday 2PM

Affected Courses: 2

View Details

Export Calendar

Switch to List View View Constraints **MTU CS Scheduling** Add Item Log Out

Filter Spring 2024 1/28/2024 - 2/3/2024

Time	Sunday 1/28/24	Monday 1/29/24	Tuesday 1/30/24	Wednesday 1/31/24	Thursday 2/1/24	Friday 2/2/24	Saturday 2/3/24
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3:00 PM		1 Course					
4:00 PM							
5:00 PM							
6:00 PM							
7:00 PM							
8:00 PM							
9:00 PM							

Constraint Details

Instructor overscheduling

Courses affected: CS1121 L01, CS200 R01

Instructors affected: Linda Ott

View Details

Constraint Detected

Instructor overscheduling

Tuesday 2PM

Affected Courses: 2

View Details

Export Calendar

Any Questions?