

Interactive Course Tracking

Team Members:

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Pages:

- About.html
- AccountSettings.html
- CourseDetails.html
- CourseHistory.html
- MainApp.html
- savePage.html

Transitions between pages

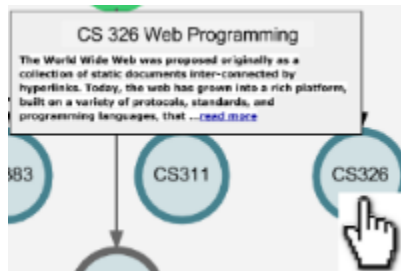
The navbar has placeholder (not functional) links to MainApp.html, savePage.html, CourseHistory.html, About.html (home icon), and AccountSettings.html (user icon on the right).



the navbar

The CourseDetails.html will be accessed through clicking on the “read more” link located in the description of a class that is displayed when a user hovers their mouse over the graph node of that class.

read more link



Descriptions of each Page

About.html

The screenshot shows a web application interface. At the top is a dark red header bar containing navigation icons and text: a home icon, 'Main App', 'Saved Graphs', 'Course History', and a user profile 'Sample User' with a dropdown arrow. On the left is a dark red sidebar with white text links: 'About', 'FAQ', 'Helpful Links', and 'Contact Us'. The main content area is white and contains the following sections:

About

This is a web app designed by six CS326 students here at UMass in order to help you plan your future! You can easily visualize what classes you still need to take and how far away from a minor you might be. You can also achieve a nifty sense of accomplishment when you complete a class and slowly move closer to those glorious upper-level electives like Web Programming. Good luck!

After a subtle line break, I'm back to bring you a quick little tutorial of this app! Go to the main page, select which major/minor you would like to view, and take a look at the path to your favorite classes. Prerequisites are denoted by arrows. Make sure to check off the classes you have already taken so that you can easily see which ones are now open to you and which double major or minor you could complete! Check out the settings to customize your experience.

FAQ

How do I view my tracking form?

Clicking on the "Main" button in the top left will take you there!

Why aren't there any good questions in this FAQ?

Well, quite frankly, nobody has asked any questions yet! So no questions are frequently asked at this point. Maybe someday. Making this line as long as possible is also my way of testing the borders of this very same web app! I hope that answers your question, if not then please contact us below!

Helpful Links

[Moodle](#)
[Spire](#)
[UMass](#)




Contact Us

E-mail address:

Your question:

This is the “About” and FAQ page. This screen will give the user a quick rundown of how to use the app and serve as a place to answer questions in order to make the usage of our site as friendly as possible. This screen was designed by Michael Keegan, who made the left sidebar and the main content column. If this content does not fit on a single page, then the left sidebar will remain fixed with scrolling and the links will take the user to different parts of the About page, which may become longer with more frequently asked questions and more detailed tips on how to use our site.

CourseHistory.html

 Main App  Saved Graphs  Course History

Sample User

Course History

Select year: All

| Course | Description | Term | Units | Grade | Grade Points | Code | Degree Requirement | Status |
|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------------|-------------|
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This is the course history page.

The user can navigate to this page at any time from the navigation bar.

This will show the user the previous courses they have taken. The page has a dropdown that allows the user to filter the results by year. As development continues, there may be more ways to filter, such as semester and grade. The user will also be able to click on the table headings to sort the table by them in ascending or descending order.

SavePage.html

Home

Main App

Saved Graphs

Course History

Sample User

Settings

Panel

Sorted By:

Saved Date

Search by Name

First Draft

01:11pm . 09/17/2016

Enlarge Image

Edit

Print

Save as PDF

Send Mail

Second Draft

03:11pm . 09/15/2016

Third Draft

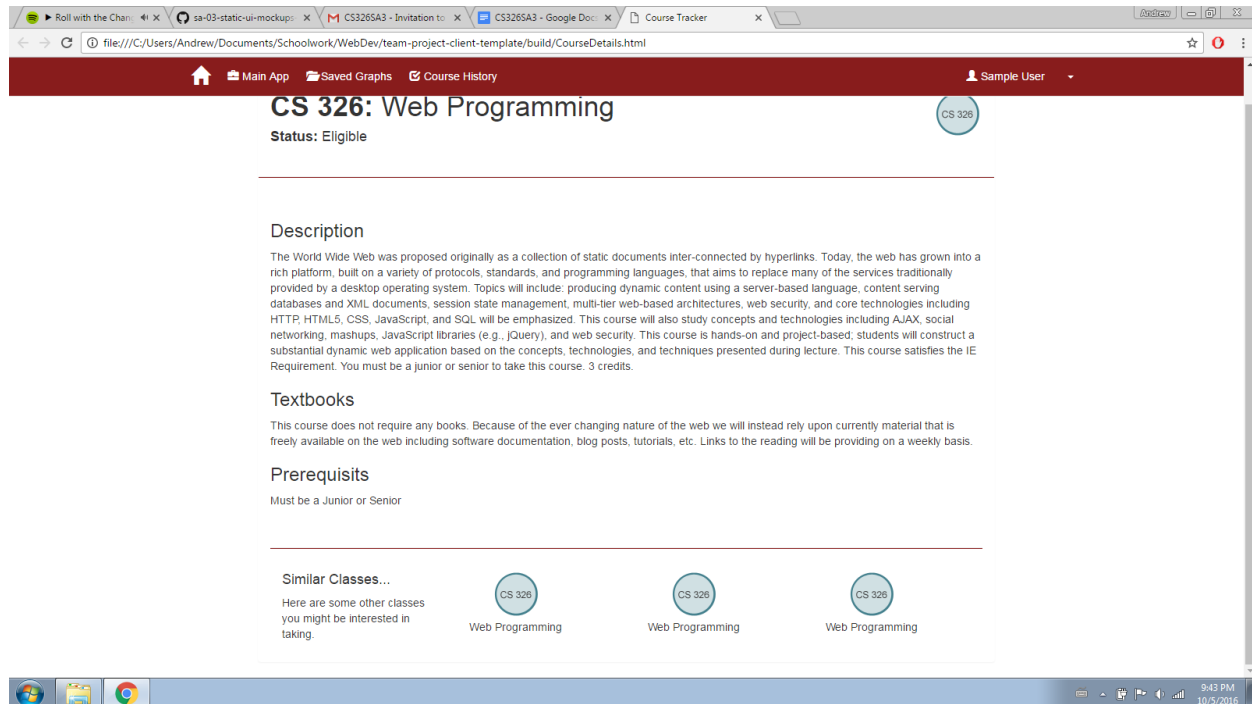
05:20am . 09/10/2016

Fourth Draft

06:00pm . 09/12/2016

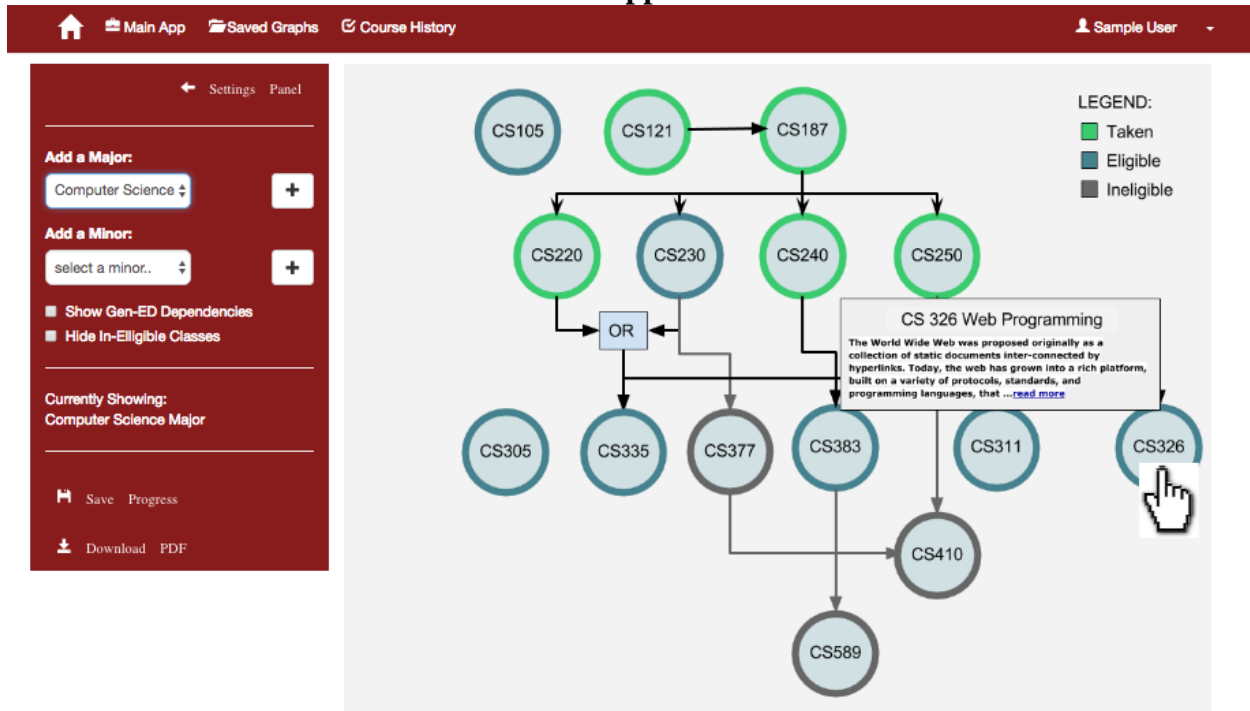
This is a save-page page. From main menu, you can save graphs that you have been working on. You also can save graph with specific name you want. Then, you can check your work at this page. You can sort the graphs by saved date or edited date. Also, you can search the saved graphs by their name. You can do this at the left sidebar. Next to the sidebar, there is a list of your saved graphs. You can see the detail by clicking their name. When you click the name, you also can see several options that you can do with the graph such as enlarging, editing, printing, saving as PDF, or send it to your email. Also, you can see the latest modified date at the upper right corner of the detail box.

CourseDetails.html



This is a course detail page. It is there to give the user more information about a course, most information is pulled from the syllabus of that class. Similar classes are also listed below to give the user suggestions on other classes they might like to look into. The user can click on these buttons and be brought to another course description page. This page is linked to from course history and the graph when you click on a class. Any place a class is represented, this page can be navigated to. The navbar was created by Ben Reul and the page and icons were made by Andrew Knowles.

MainApp.html



MainApp.html is the page that users will be able to interactively track which courses they have taken, and which courses they might take in the future.

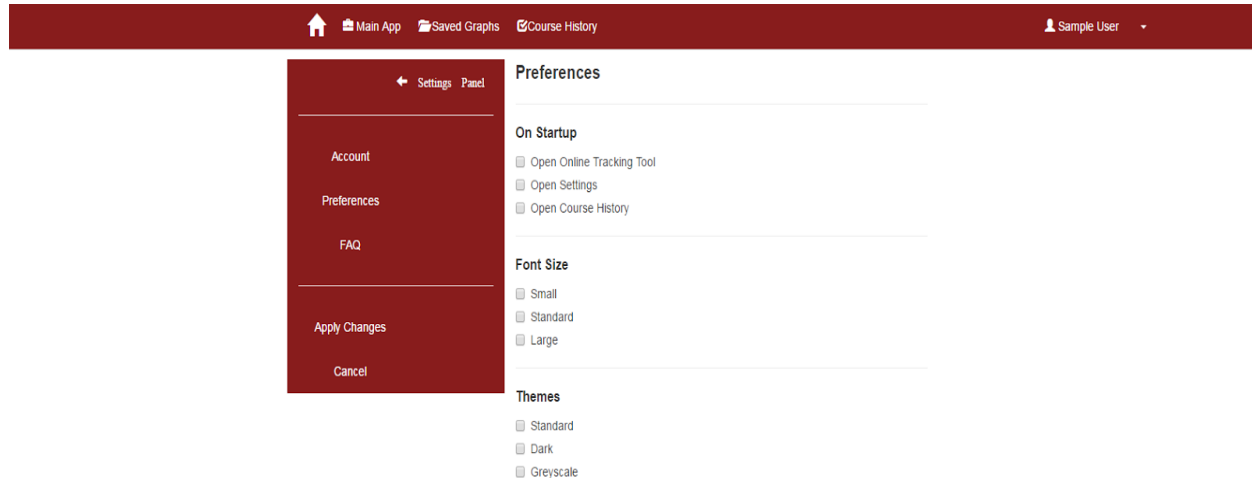
On the top we have the navbar that is the same across all of our pages.

The column on the left hand side is the settings menu. This menu allows users to select what classes they want to see on the canvas which is the view to the right. They will be able to choose a major, and a minor, and have those classes show up to the right. I added options to show non-major gen ed requirements (ie, Math235 required for CS589). I also added the option to hide classes the user is not currently eligible for based on what they have taken (gray nodes/edges). The settings menu will be collapsible in our final product. The settings menu will also have buttons to save your progress and come back later, as well as downloading the graph as a PDF file.

The image on the right side of the screen is what our interactive course tracking application might look like for the CS major. The actual interface might look different based on the library we are using to draw the graph, and what algorithms we use to display the graph. The main idea is that users can visualize the possible paths of courses to make more informed course selections. Courses that the user has taken will show in green, eligible classes in blue, and ineligible classes in grey. A user will be able to hover over a class for more information, or click on the class to update the graph as if the user had taken the class.

MainApp.html was made by Anthony Depace (the graph picture and settings menu). The navbar was made by Ben Reul.

AccountSettings.html



This is the preferences settings page. Currently, there are only some options available, but as we expand our web application, we will add more, when applicable. The other possible settings screen will show account settings such as changing the password, changing the username or email, and other security related settings. This wasn't implemented yet, because I plan on using javascript to change the main body of the settings page to account settings when the account button is clicked and preferences when that button is clicked. The sidebar was styled to be the same as the navbar and in the future, will be collapsible.

When I created the Navbar, I was looking for something that was simple and had only the most important pages, which most users would want to be able to access quickly. Currently, the home button and the main app button move to the same page, however, since there is an option to change which page is displayed on login, users may choose other pages. Originally, during hover and after clicking, the outlines of the buttons would show, which didn't give the bar a clean look to it. I removed any indication that the button was clicked. Since users will need feedback on a button click, I decided that it would be best that the button text changes color to black on click. Possible changes are that depending on the page that is currently loaded, the navbar buttons will display black text. These elements were written by Ben Reul