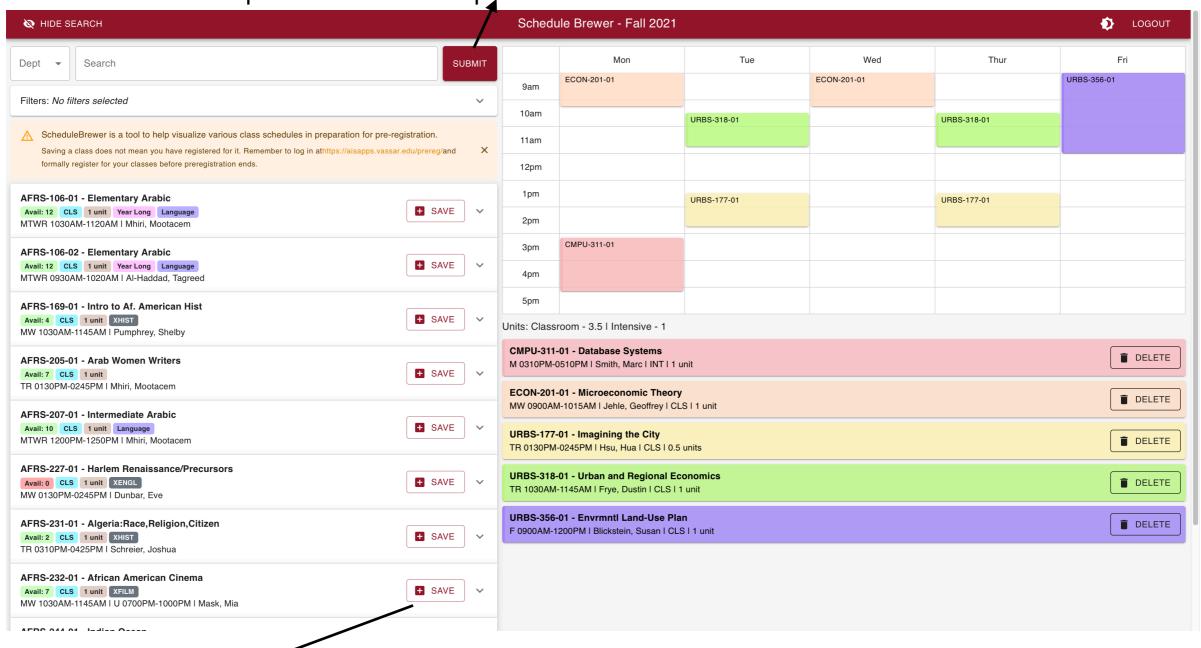
Configuration Files: settings.py manage.py Serves a json object to the client views.py serializers.py Template **User Request** View Logic User Makes request by Views Contain all the hitting the URL custom logic and connect to templates Template and models context data is passed from View view to html template to be displayed Model Model URL resolving
The URL is resolved which maps to a VIEW. Model contains the data as it is connected to database with ORM. It provide required Arguments are also extracted from URL and data to views to be sent to template. sent to the view. /user/1 -> UserView(id -> 1) models.py urls.py MySQL Server

https://schedulebrewer.ml

Search button:

- GET request (https://schedulebrewer.ml/api/search/?)
- Url resolved in urls.py -> search function in views.py
- views.py pulls data from the database and uses serializers.py to create the json object for the frontend

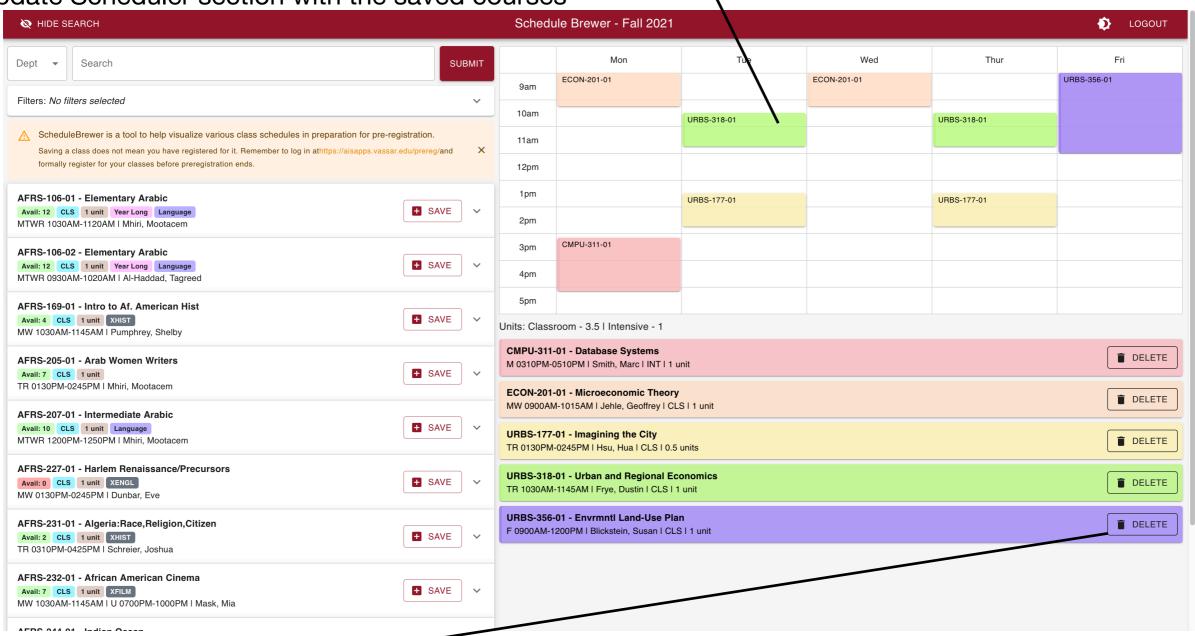
- The search section updates after the request comes back from the server



- POST request
- Resolve /addcouse/ url in urls.py -> add course function in views.py
 - Update the users database
- Rest of the components updates

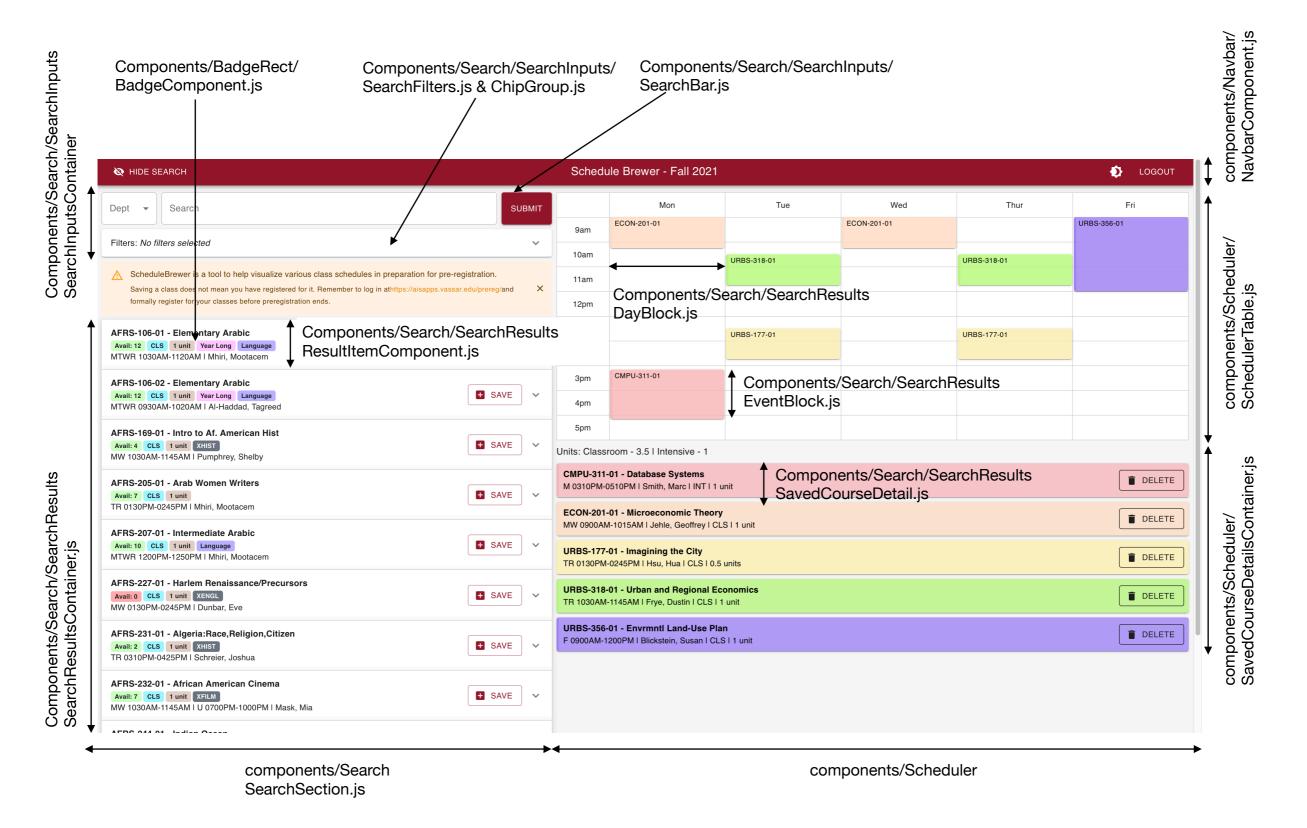
- GET request to access the saved courses
 - views.py serves the serializes the courses and serves it to the website
 - Objects are stored in the SavedCourseContext.js
- Access database for the search terms and the user's saved courses (if logged in)

Update Scheduler section with the saved courses



- DELETE request
- Resolve /deletecouse/ url in urls.py -> delete course function in views.py
 - Update the users database
- Rest of the components updates

React Components



Layout: components/
- DefaultPageContainer.js

Utilities: components/Utils

- DarkTheme.js
- LightTheme.js
- SavedCourseContext.js

W SEARCH		Sch	edule Brewer - Fall 2021		•	LOGO
	Mon	Tue	Wed	Thur	Fri	
9am	ECON-201-01		ECON-201-01		URBS-356-01	
10am		URBS-318-01		URBS-318-01		
11am						
12pm						
1pm		URBS-177-01		URBS-177-01		
2pm						
3pm	CMPU-311-01					
4pm						
5pm						
Jnits: Classroom -	3.5 I Intensive - 1					
CMPU-311-01 - Da M 0310PM-0510PM	atabase Systems I I Smith, Marc I INT I 1 unit				■ DELETE	
	icroeconomic Theory				■ DELETE	
URBS-177-01 - Im TR 0130PM-0245PM	nagining the City M I Hsu, Hua I CLS I 0.5 units				■ DELETE	
	rban and Regional Economics M I Frye, Dustin I CLS I 1 unit				■ DELETE	
	nvrmnti Land-Use Plan				■ DELETE	