MODULE 4 Caree Choice and Artifact Update

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As I mentioned earlier, I found it more interesting for me to work as a software engineer specializing in building web applications using the Python-based Django framework. I started learning the Django framework back in 2021, but the applications I wrote were very simple (basic CRUD and some front-end (JavaScript, HTML, CSS, Bootstrap). After the bootcamp, there were some career changes, and I haven't used Django and there is a lot of stuff I forgot. In these four weeks, I revisited some of my previous projects, learned new material from the Django documentation website, and expanded my knowledge in this area. So, I think I'll keep my original plan to grow as a software engineer.

My dream job is to work for Autodesk or SolidWorks. I have extensive experience with AutoCAD, SOLIDWORKS 3D CAD, we used this software for mechanical engineering projects during undergraduate engineering degree. And when we had linear algebra and visualization courses at SNHU, I was really interested in learning matrices and vectors and then applying that knowledge to visualization projects. DePaul University (Chicago, IL) has a program in Real-Time Software and Game Systems, and that would be the next step in my career. My knowledge of Python can be combined with C++. I read that Python can be used for scripting game logic, while C++ handles the rendering engine and core game mechanics. I'm very excited and see great potential for my career growth.

Status Checkpoints for All Categories

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	**Artifact name:** Travlrs MEAN stack application **Origin:** CS 465 Full Stack Development	**Artifact name:** Travlrs MEAN stack application **Origin:** CS 465 Full Stack Development	**Artifact name:** Travlrs MEAN stack application **Origin:** CS 465 Full Stack Development
Status of Initial Enhancement	Enhancements completed	Enhancements completed	Enhancements completed
Submission Status	Submitted with feedback from the instructor	Submitted with feedback from the instructor	Submitted with feedback from the instructor
Status of Final Enhancement	Planned but not yet completed. Forms created – need to style them in CSS (right now Django creates them from models). Created new CSS for Driver. Truck, Trailer, Load HTML to render dynamic pages.	Planned but not yet completed. Connected Driver, Load, started with the logic to connect Driver and Payroll.	Planned but not yet completed. Models created, CRUD functions created for driver, truck, trailer, load. Database connected.
Uploaded to ePortfolio	Planned but not yet completed	Planned but not yet completed	Planned but not yet completed
Status of Finalized ePortfolio	Planned but not yet completed	Planned but not yet completed	Planned but not yet completed

Screenshots of the front-end. Dynamic HTML pages:

| HOME | DRIVERS | TRUCKS | TRAILERS | LOADS | PAYROLL | CONTACTS |

Unit Numer	VIN#	Year	Make	Plate Number	State	Start Date	Termination Date	Options
109	4V4NC9EH6DN566225	2013	VOLVO	P942690	IL	Aug. 1, 2022	None	Update Delete
110	3AKJGLD51FSGB3867	2015	FRHT	P1070183	IL	June 3, 2024	None	Update Delete
113	3AKJHHDR0JSJX4474	2018	FRHT	P1112681	IL	April 4, 2025	None	Update Delete

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Unit Numer	VIN#	Year	Make	Plate Number	State	Start Date	Termination Date	Options
128	1JJV532W46L976162	2009	WABASH	502928ST	IL	Jan. 1, 2020	None	Update Delete
129	5V8VA53267H700375	2007	VANGUARD	516650ST	IL	July 18, 2021	None	Update Delete
133	1UYVS25375M530224	2005	UTILITY	991351ST	IL	June 1, 2021	None	Update Delete

A screenshot of the form after pressing a "Load" button in Options cell on the DRIVER page.