

CSE 310 – Applied Programming Module Plan

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Date:	04/30/2025
Teacher:	Brother Pineda
Module # (1-6):	1

1. Identify which module you have selected to work on. Place an “X” under the “Selected Module” column.

Modules	Selected Module
Cloud Databases	
Data Analysis	
Game Framework	
GIS Mapping	
Mobile App	
Networking	
SQL Relational Databases	
Web Apps	
Language – C++	
Language – Java	X
Language – Kotlin	
Language – R	
Language – Erlang	
Language – JavaScript	
Language – C#	
Language - TypeScript	
Language – Rust	
Choose Your Own Adventure	

2. At a high level, describe the software you plan to create that will fulfill the requirements of this module. This may change as you learn more about the technology or language you are learning.
3. Create a detailed schedule using the table below to complete your selected module during this Sprint. Include details such as what (task), when (time), where (location), and duration. You are expected to spend 24 hours every Sprint working on this individual module and other activities in the course. Time spent on this individual module should be at least 12 hours.

	First Week of Sprint	Second Week of Sprint
Monday		
Tuesday		Tasks: <ul style="list-style-type: none"> • Implement HTTP request to fetch weather API data Time: <ul style="list-style-type: none"> • 7pm – 8:30pm (1.5 hrs) Location: <ul style="list-style-type: none"> • My home
Wednesday	Tasks: <ul style="list-style-type: none"> • Create module plan • Set up Java environment Time: <ul style="list-style-type: none"> • 4:30pm – 6pm (1.5 hours) Location: <ul style="list-style-type: none"> • My home 	Tasks: <ul style="list-style-type: none"> • Parse JSON data and display current weather Time: <ul style="list-style-type: none"> • 5pm – 7pm (2 hrs) Location: <ul style="list-style-type: none"> • My home
Thursday		
Friday	Tasks: <ul style="list-style-type: none"> • Learn and practice Java language Time: <ul style="list-style-type: none"> • 7pm – 8pm (1 hour) Location: <ul style="list-style-type: none"> • My home 	Tasks: <ul style="list-style-type: none"> • Implement 5-day forecast and hourly features Time: <ul style="list-style-type: none"> • 5pm – 8pm (3 hrs) Location: <ul style="list-style-type: none"> • My home
Saturday	Tasks: <ul style="list-style-type: none"> • Learn and practice Java language Time: <ul style="list-style-type: none"> • 11am – 12pm (1 hour) Location: <ul style="list-style-type: none"> • My home 	Tasks: <ul style="list-style-type: none"> • Add user input to choose view and city Time: <ul style="list-style-type: none"> • 5pm – 7pm (2 hrs) Location: <ul style="list-style-type: none"> • My home

4. Identify at least two risks that you feel will make it difficult to succeed in this module. Identify an action plan to overcome each of these risks.

The first risk is that I've never worked with API's before. My plan to overcome this is to also study a bit on how to handle those while I'm learning the Java language and then I

will also ask ChatGPT for help if I get stuck or to look over my code and verify I have things right.

The second risk is finding a good API to use and parsing the data from it. I haven't done this before and don't really know what to expect but I'll use the same action plan to overcome this too, which is using ChatGPT to guide and give feedback on my mistakes. I'll also do some other research about how to parse through data from an API from other online resources.