

## CSE 310 – Applied Programming

### W01-Prove: Create Course Plan

Name: Santiago Benjamín Irigoyen

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1. After looking at the Module Description document in I-Learn, select three modules that you want to complete during this course. You cannot repeat a module. You will be responsible for learning the material and creating software to demonstrate what you learned. You can change your mind later in the course based on your experiences. You should not select a module that you have already used before. Mark only one “X” in each of the three columns.

**Note: You will have less time to complete module #1 than the other modules. Consider selecting a module you feel you can learn quickly for module #1.**

Modules	Module #1	Module #2	Module #3
Cloud Databases			
Data Analysis			
Game Framework			
GIS Mapping			
Mobile App			
Networking			
SQL Relational Databases			
Web Apps			x
Language – C++			
Language – Java			
Language – Kotlin	x		
Language – R			
Language – Erlang			
Language - JavaScript		x	
Language – C#			
Language - TypeScript			
Language – Rust			

**Why I chose these modules:**

- **Kotlin (Module #1):** I picked this one first because it's a modern language that I haven't worked with before, and I think I can pick it up quickly.
- **JavaScript (Module #2):** I want to get more experience with web programming, and this is a good language for that.
- **Web Apps (Module #3):** This will let me use what I learn in JavaScript to make a full project, which I think will be really helpful.

2. Complete the following learning skill survey regarding your learning habits:

Learning Skill	Ranking 1 = I don't do this 2 = I do this sometimes 3 = I do this frequently
<b>RESEARCH</b>	
I use multiple sources of information.	3
I document what I am learning.	3
I prepare well-thought-out questions.	2
I use the scientific method (research, hypothesis, experiment, and conclusion) to solve computing problems.	2
I share what I am learning with others (i.e. collaboration).	1
<b>TIME MANAGEMENT</b>	
I manage my time between all my responsibilities.	2
I effectively estimate task duration for assignments and projects based on my previous performance.	2
I create a schedule for all assignments and projects.	2
<b>RISK MANAGEMENT</b>	
I always start with identifying what I do not know.	3
I effectively identify what could fail based on my previous experiences.	2
I create mitigation plans for risks related to missing knowledge or potential failures.	2
<b>CONTINUOUS IMPROVEMENT</b>	
I honestly identify the mistakes I have made in my work.	3
I develop improvement plans to support future assignments and projects.	2
I am driven by a vision of whom I can become by the creation of goals.	3

3. Based on your responses in the survey above, write a plan below to improve one behavior starting at the beginning of this course.

## **Improvement Plan**

**Behavior I want to improve:** Time management and avoiding procrastination.

**How I plan to improve it:**

1. Make a weekly schedule and block out specific times for studying each module.
2. Use the Pomodoro technique: 25 minutes studying, 5 minutes break.
3. Check my progress at the end of each week and adjust the schedule if needed.
4. Reduce distractions like social media and phone notifications while studying.
5. Set clear and realistic goals for each study session or project so I can see progress.
  - I think if I follow this plan, I'll be able to manage my time better and complete all the modules on schedule.