

Virtual Coding 1.0

Let's complete a full web development
Software Development Life Cycle (SDLC)
together, all live and interactive.



Overview

Learn coding and programming fundamentals, focusing on hands-on learning, collaborative problem-solving, and incorporating Mi'kmaq knowledge and culture through bi-weekly virtual meetings, with a dual-track approach to keep students engaged.

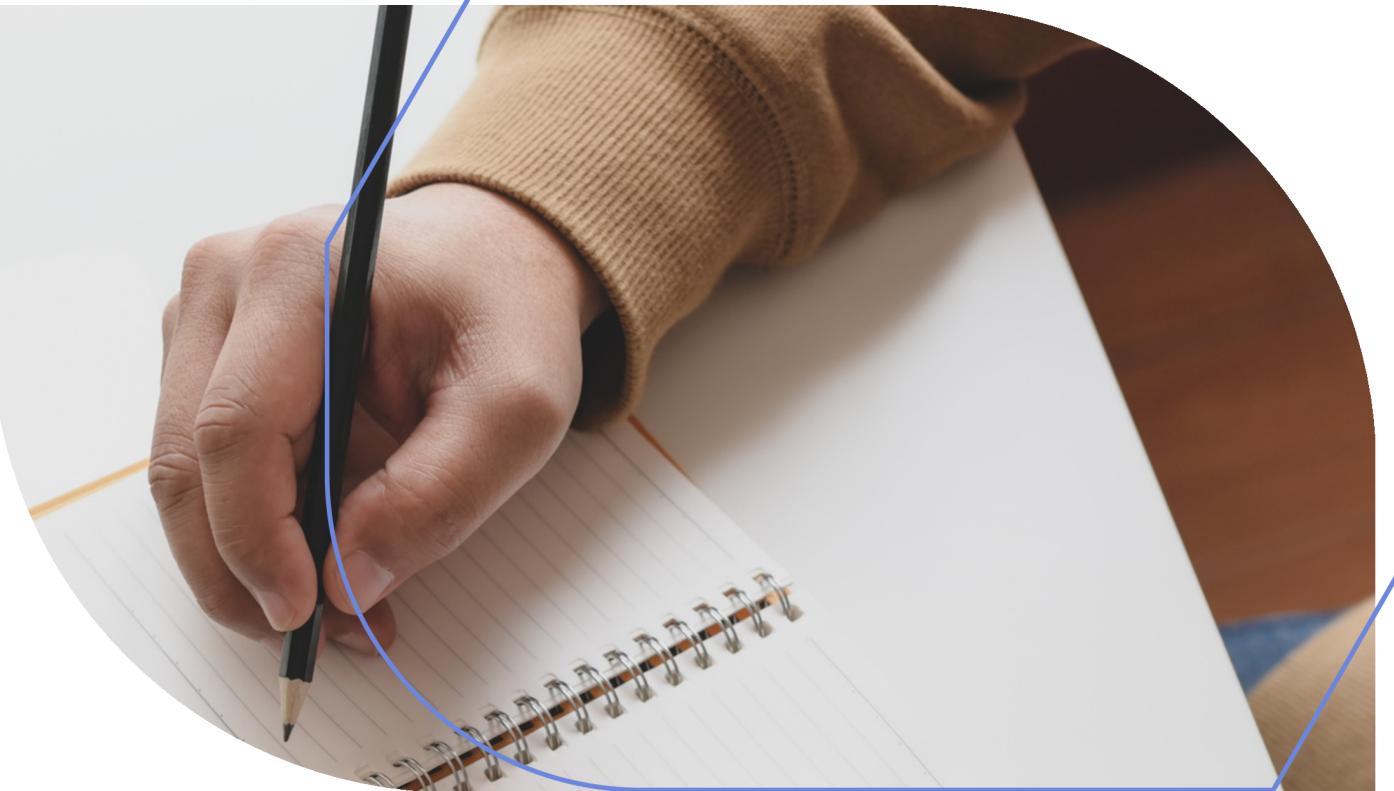
Scope

Learn HTML
Learn CSS
Learn JS
Learn VSCode / Editors

***Scope for first term stops at
introduction to Databases***

Learn Figma
Learn Wireframing
Learn **SDLC**

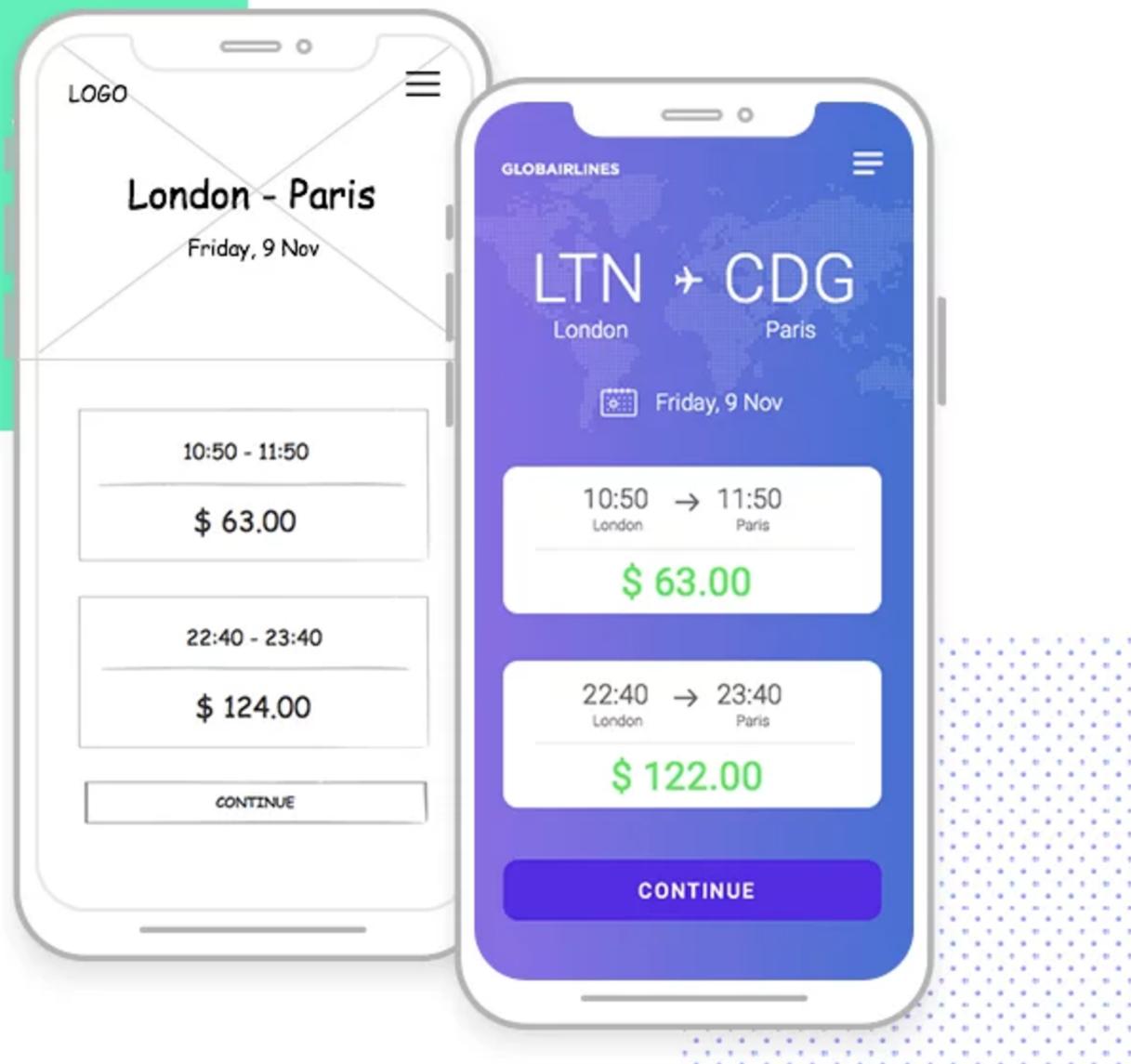
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Timeline

Virtual Coding 1

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Planning

Coming to common terms about the project at hand. Defining the project, what do we want to create ?

Architecture

Creating a wireframe, designing Figma files. Finalizing the complete design of each page.

Development

Developing the product, following the style/best practices guidelines.

Test and Deploy

Testing for any bugs or improvements. If clean, deploying the website.

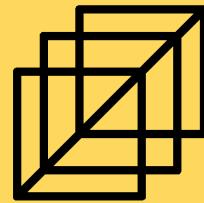
Budget

Expense	Amount
Domain Config.	\$ 15 ann
Hosting	\$ 10 - 15 ann
Canva Prem	\$ 15 mnth
Total	\$ 45 x 7 (number of students) = \$315

Note: There might be team plans that might reduce the budget, this budget uses generic prices

Team





UEC - VIRTUAL CODING 1

Project Monitoring

Tracking the progress

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Roadmap

TASKS	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5
Planning / Wireframe	■			VC2	VC2
Final Figma Designs	■			Interactive JS	Interactive JS
Development (HTML, CSS)		■			
Development (HTML, CSS, JS)		■			
Development (JS, HTML, CSS)			■		
Testing			■		
Follow Up			■		
Documentation	■	■	■		

Total Sessions: 16

Frequency: weekly

Date:

Status:  In Progress



Finished



Blocked

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TASKS: PLANINNG AND ARCHITECTURE	SCHEDULED
• Design, architecture, get started with Figma (Canva Design Notes, Color Wheel)	W1
• Finalize the wireframe for all pages with Figma	W2
• Finalize Figma design for landing and other pages	W2
• Finalize Figma design for other remaining pages	W3
• Analyze and brainstorm on how to convert Figma designs to code (HTML, CSS)	W4
• Document a mental plan of the code	W4

Date:

Status:



In Progress



Finished



Blocked

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TASKS: DEVELOPMENT AND DEBUGGING	SCHEDULED
• Code the HTML required for the landing page	W5
• Code the CSS required for the landing page	W6
• Code the HTML required for other pages	W7
• Complete the CSS for other pages	W8
• Integrate responsive design for tablets	W9
• Integrate responsive design for phones	W10

Date:

Status:



In Progress



Finished



Blocked

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Tasks: Planning and Architecture	Scheduled
• Implement Interactivity Using JavaScript - Part 1	W11
• Implement Interactivity Using JavaScript - Part 2	W12
• Implement Interactivity Using JavaScript - Part 3	W13
• Cross-Device Testing	W14
• Debugging - Polishing the Website	W15
• Debugging - Polishing the Website	W16

Date:

Status:



In Progress



Finished



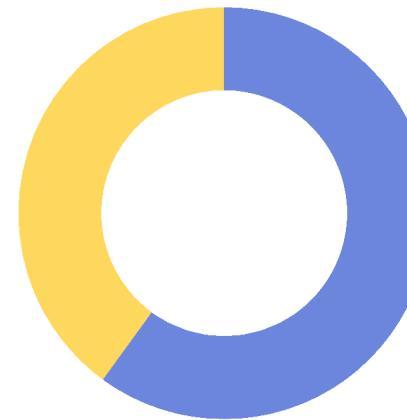
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TASKS: PLANINNG AND ARCHITECTURE	SCHEDULED
• Full app testing start	W17
• Full app testing finish	W18
• Domain Config.	W19
• Hosting Config.	W20
• Publish website, final checks-fixes.	W21
• Documenting an mental summary of project, ways to utilize the project in portfolio.	W22

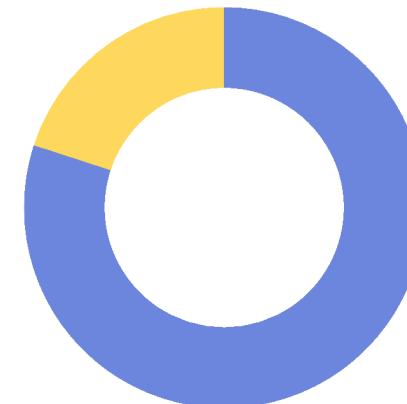
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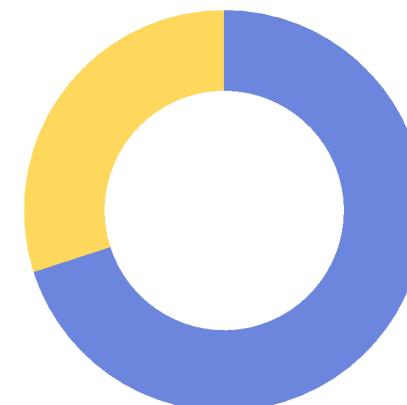
Project Phase 1 **30% done**

Finalized when all Figma mockups are complete.



Project Phase 2 **60% done**

Finalized when core development HTML and CSS is completed for all the pages.



Project Phase 3 **100% done**

Finalized when responsive development, interactivity, and testing are complete for all the pages.

