**COMP 2910 PROJECT PROPOSAL TEMPLATE**

**TEAM NUMBER: 24**

**TEAM NAME: Team 24**

**TEAM MEMBERS:**

1. **Alexander Sui**
2. **Yu Ting Hsu (Allan)**
3. **Jacob Smith**
4. **Harmanbir Dhillon**
5. **Jonathan Chiu**
6. What does your application do (maximum of 4 lines):

***A web application that is a quiz game. There will be a “health bar” in the form of a water gauge. The user will be asked questions based on water wastage, and the correct answer will be the least wasteful answer.***

1. What specific problem does your application help your users solve?

***The problem we are solving is the lack of knowledge for many people when it comes to saving water. We want to educate the user with questions on efficient ways to save water.***

1. Who is the target market? Who will pay to use your app and/or service, i.e., students, seniors, moms, restaurant owners...:

***Our target market is elementary students. Teachers can use the quiz as a tool to educate students on water waste. It will be free to use, so anyone can use it. Users that will “return” to the quiz would be a new class of students as it can be a teaching tool. Quiz lovers may choose to use the app to test their knowledge.***

1. How is your web app different from any similar, existing apps (if any)?

***We will have a different way of presenting the questions so that the user will be more engaged. We will use graphics to appeal to users that may use the app. There will be a time attack mode that has a countdown timer when answering questions. We will have smooth game flow unlike typical quiz apps/sites.***

1. Provide a clear, bulleted list of your application’s minimal requirements for success, i.e., your minimum viable product (MVP):

* ***MVP – basic trivia game (question and answer)***
* ***Leaderboard***

1. Provide a breakdown of each member’s responsibilities. For meetings, will one person take minutes, or will you rotate? Who will manage version control merge conflicts? Who will write code? Who will write unit tests? Who will test the app?

***We will rotate on taking minutes, it will be a shared responsibility.***

* ***Harmanbir/Alexander – manage version control merge conflicts***
* ***Jonathan/Jacob/Harmanbir – coding***
* ***Allan – create test cases for the app***
* ***Alexander – test the app***

1. Your group should have some idea of the technologies you will use. Create a list here, i.e., HTML, JavaScript, MySQL, Firebase, JavaScript libraries like Processing.js, Angular, Node.js, the Firebox browser for debugging, the WebStorm IDE, etc.:

* ***HTML***
* ***CSS***
* ***PHP***
* ***Photoshop***
* ***MySQL***
* ***JavaScript***
* ***Chrome for debugging***
* ***Firefox for alternative tests***
* ***FL Studio for sound***
* ***Brackets***
* ***Visual Studio Code***
* ***Bootstrap***