



Team 12 - Hydrolink

Iri Kumi #3

Review 1

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Progress:

- Hardware Stack:
 - ESP32
 - Bluetooth & Wifi
 - Compatible with Wide amount of Sensor
- Water Level Sensor
 - \$2.99
- IMU
 - AdaFruit ICM \$14.99
- RGB LED Ring



Progress:

- Software Stack:
 - C++
 - This is the code that goes on the ESP32. This is where the logic will go.
 - MYSQL
 - This is how we will store user data
 - HTML/JavaScript/CSS



Productivity Inhibitors:

- Trouble finding Product Direction
 - Consumer
 - Bar Market
- Finding a Sensor Suite to Accomplish our Task



Small Wins:

- Customer are EXCITED!
- People are excited for the Home Market
- Sensor Suite has been Found
- Software Suite has Been Finalized



Front End

- User Experience centric
- A Responsive Website to suite Mobile Users and Ensuring Cross - Compatibility
- Implemented with JavaScript, CSS, and HTML



Back End

- Cross - Compatibility with wide array of APIs
- MYSQL User DataBase
- FastAPI Python WebServer
- C++



Goals For Sprint 2

- Customer Surveys
- Hardware Prototype
- Front- End Finished.