**Project:** E Commerce Beacon **Date:** 23/02/2017

**Iteration: GitBeacon**

**Implementation Status:**

Prototyping Native Android App and Server Backend. Partial code implemented. The Software and hardware architectures are decided upon.

**Highlights: Got beacons to interface with a native app. Started to work on Server Backend. Set up GitHub Repos.**

[**https://www.github.com/VishalRamki/C3990**](https://www.github.com/VishalRamki/C3990)

[**https://www.github.com/VishalRamki/C3990-Server**](https://www.github.com/VishalRamki/C3990-Server)

**Risks or Issues List:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date Entered** | **Risk or Issue** | **Description** | **Resolution** | **Status** |
| 23/02/17 | Software Architecture | Deciding which type of development software to use to prototype the initial build | Resolved | Software architecture will be an Android Application, with a Python Server Backend, powered by RethinkDB. |
| 23/02/17 | Hardware Architecture | Assessing the current open-source beacon implementations | Resolved | Current Iteration of Beacon Interface uses the default Estimote iBeacon protocol. Considering Changing it to EddyStone. |
| 23/02/17 | Server Architecture | Assessing the server software which can be used. | Resolved. | Using Python. With the Python Packages Flask and Flask-RESTful for rapid API development. |
| 23/02/17 | Database Architecture | Assessing Database technologies. | Resolved. | Using RethinkDB. |

**Tasks in Progress or Completed in the Last Iteration:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task Name** | **Description** | **Who Worked on it** | **%Complete** |
| Native Android Application Development | Developing a simple interfacing app which would just find and ping the end user that a beacon is nearby. | Everyone | 100% |
| Server Backend development. | Developing a Simple API for the Android Application to work with. | Everyone | 10% |

**Upcoming Tasks for the Next Iteration:**

|  |  |  |
| --- | --- | --- |
| **Task Name** | **Description** | **Who will Work on it** |
| Native Android Development | Continuing to develop the Android Application along the predetermined lines. | Everyone |
| Python Server Development | Writing the Server Code to quickly interface with the Application. | Everyone. |
| Android Application Development | Developing the Client with two types of users in mind, the customer and Business owner. |  |