Project Details

Name: Speedway RFID Swimming Prototype
Researcher: Richard McCarthy
Date: 17th April 2020

Work Carried Out

Updated the final findings report to contain a diagram of the angles involved between the antenna and tag.

Set up a software build system using Maven for the standalone Java application. Created a skeleton Java project using Maven which is integrated with the Octane SDK now.

This build system was also configured to generate a final JAR file which includes all dependencies and allows the application to be run from a single command.
This will make it easy to deploy the standalone application on any device for field testing.

Started the outline design of the cloud application. This involved looking further into a suitable microservices architecture to cater for an MVP and setup the structure for potential product development later, which will feed into the roadmap also.

The majority of this cloud microservices design has been finalised.

Known Blockers

Currently none

Next Steps

Implementation outline of the cloud microservices design to put the structure in place to build upon.

Continued implementation of the standalone Java application to interface with the Impinj Reader and get the control flow of that part of the application finalised.

Put project software into a repository to track changes and to make it available for viewing.

Document any relevant technical details as proceed to feed into the roadmap later on.