**WEEK 10 WEEKLY REPORT**

**DATE**

Monday, 20 May 2019 – Friday, 24 May 2019

**ATTENDEES**

1. Christian Piscioneri (a1669249)
2. Jennifer Huynh
3. Jared Linklater
4. Andy Warhurst, Ashley Arnold
5. Mansooreh Zahedi

**WEEKLY UPDATES**

1. What did you do this week that helped the development team meet the sprint goal?

* I implemented Apache Kafka into our system.
* I got the Node server running as a Consumer of the Kafka data stream which then uses Socket.io to send this to the client.
* The client processes the JSON string it gets and produces a track on the map.
* I also set up a Python script that produces tracks onto the Kafka stream by reading a JSON file given to us by the clients. The kafka-python library is a bit fickle with sending to the Kafka server, so performance is up and down.

1. What will you do next week to help the development team meet the sprint goal?

* I will get the clients event replay program to work as a producer, so we have a more reliable way to get tracks into the system via Apache Kafka. This will involve implementing a protocol buffer to read the stream from the event replay.
* I’d also like to solve a problem with Git changing line endings, causing problems when trying to run things from our laptops after I’ve been coding on my desktop PC.

1. Do you see any impediment that prevents you or the development team from meeting the sprint goal?

* I don’t believe so.