The Project Proposal form

CI301 The Individual Project

LEVEL THREE COMPUTING PROJECT PROPOSAL 2015/2016

The deadline for submitting this form is Thursday, October 22, 2015. If you cannot meet this deadline for an acceptable reason you should ask your award leader for an extension. Your proposal will be marked on a Pass/Fail basis and failure to hand it in by the deadline will result in a Fail.

Name : Philip Lee

Title of project

*ROAM: A mobile app for the storing and sharing of live geolocation data*

Which course are you on? Please tick the one that applies:

 BA (Hons) Business Information Systems

 BSc (Hons) Business Computer Systems

 BSc (Hons) Computer Science

 BSc (Hons) Computer Science (Games)

 BSc (Hons) Digital Media Development

 BSc (Hons) Internet Computing (UCH)

* BSc Digital Games development (UCH)

 BA (Hons) Digital Media

 BSc (Hons) Software Engineering

 BSc Computing

Are you:

* Full-time

 Part-time

Your Proposed Project

Please outline what you intend to do and indicate the main stages or elements in the project. Insert another sheet if necessary.

*I intend to make an android application that will use geo-location technology to collect live location data before storing it. The main use of the application will be to store location data to show a user where they have explored within the world. It will use google api’s to generate it’s maps which will then become an unexplored world which the user will unlock as the user begins to travel. Storing this data will then become a mapped out journey of their life where the user can unlock achievements and goals. This all stems from a TED talk (*[*https://www.ted.com/talks/malte\_spitz\_your\_phone\_company\_is\_watching?language=en*](https://www.ted.com/talks/malte_spitz_your_phone_company_is_watching?language=en)*) that talks about how much information your phone provider has on you as a consumer. In the talk Malte Spitz talks about this data as a bad thing as the government have access to this information. I agree with him that it’s scary that the government have access to this data but personally I’d be interested to see my personal data. Imagine a timeline of your life not just in chorological Facebook posts but geographically mapped out in the real world. Memories become easily stored; a true record of your travels.*

*Obviously this data is very sensitive and you would not want it getting in the wrong hands. This provokes me to look into big data ethics especially with the power and money big data can bring to a business. Also away from the ethics of sensitive data this will allow me to research into database security, who actually owns the data and separately how new scalable web storage such as AWS can be implemented.*

*I could potentially then use foursquare’s developer api to generate data of businesses within the user’s current area, which will then allow users to check in what they are doing. This could then be shared socially to create a social map of memories, events and user activities.*

*With both foursquare and google api’s then combined with geo-location technology will allow me to make an application that could make recommendations for things to do based on previous user check in’s and current location. However this could make the task of building the application too much for the time available so might just be a future idea for the next steps in this application.*

The member of staff who has agreed to supervise this project you must have discussed this with the member of staff

Your supervisor's name (please print) ……………………

Supervisor’s signature ..................................................................................................

If there are any major hardware/software resources required from the University, have you checked that they will be available for your use?

 Yes

 No

* Not applicable

If the project is for an outside client or organisation, we need a letter saying they approve of your proposed project and will support it as far as is necessary:

 Letter attached

 Awaiting letter

* Not applicable

Student’s signature P J LEE

Date 21/10/20145

From time to time we may contact you by email to send you updated information and reminders about the project. Please check your University mailbox regularly and make sure that it does not go over the limit. You can forward your university email to your preferred email address by changing your personal settings on studentcentral. You should also keep an eye on the CI301 space on studentcentral for updates and announcements.

Jane Challenger Gillitt, Project Coordinator