

The University of Birmingham

School of Computer Science

Second Semester Mini-Project: Declaration

1. Project Details

Name: Karthikeya Udupa Kuppar Manjunath

Student number: 1393456

Mini-project title: *Analysing User Web Interaction On Mobile Devices.*

Mini-project supervisor: **Mirco Musolesi** <m.musolesi@cs.bham.ac.uk>

2. Project Description

The following questions should be answered in conjunction with a reading of your programme handbook.

Aim of mini-project	<i>To capture and analyse the way in which the user interacts with his device in relation to his context.</i>
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Objectives to be achieved	<ul style="list-style-type: none">• <i>Development of a methodology to capture user's interaction with his mobile device.</i><ul style="list-style-type: none">• <i>Identifying the URL's being accessed by the user.</i>• <i>Tracking the application's usage by the user.</i>• <i>Identifying the various context's associated with the user during the interaction.</i><ul style="list-style-type: none">• <i>Finding the location of the user when the content was accessed along with time.</i>• <i>Uniquely identifying the user amongst all other users.</i>• <i>Tagging of important location with respect to the user.</i>• <i>Storing and categorisation of the information that is collected from the user.</i><ul style="list-style-type: none">• <i>Identifying the nature of the content on the website.</i>• <i>Identifying the nature of the application that is being used.</i>• <i>Analysing the possible use of such information in development of anticipatory systems.</i>• <i>Literature review of anticipatory systems.</i>
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<p>Project management skills</p> <p>Briefly explain how you will devise a management plan to allow your supervisor to evaluate your progress</p>	<p><i>The initial 4 weeks period would be dedicated to understanding the various possible approaches to collect the various possible information from the user.</i></p> <p><i>A two week period would be to analyse the information to build an effective application for gathering of information (in android platform).</i></p> <p><i>The reminder of the time would be given to analysing the information that has been collected and understanding the possible usage and also in perfection of the application.</i></p> <p><i>To Summarise the plan.</i></p> <ul style="list-style-type: none"> • Week 1-4: Understanding the approaches to extract the various possible information from the user. • Week 5-6: Development of an refined application to collect and display the relevant information. • Week 6-9: Formulating and finalising a report concluding the findings and possible applications of information that was collected.
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<p>Systematic literature skills</p> <p>Briefly explain how you will find previous relevant work</p>	<p><i>The primary source of the previously done relevant work would be through the library and the online research/conference paper archives.</i></p> <p><i>Further information would also be gained by interacting with the various people working in the related fields.</i></p>
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<p>Communication skills</p> <p>What communication skills will you practise during this mini-project?</p>	<p><i>A bi-weekly meeting with the mini-project supervisor to discuss and update the progress of the project with intermediate updates through email.</i></p> <p><i>Email would be used as a primary means to contact the supervisor in case of any requirement of assistance.</i></p>
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3. Project Ethics Self-Assessment Form

Does the research involve contact with NHS staff or patients?

No.

Does the research involve animals?

No

Will any of the research be conducted overseas?

No

Will any of the data cross international borders?

No

Will the research project involve humans as subjects of the research, including as participants in a requirements gathering or evaluation exercise?

Yes.

Are the results of the research project likely to expose any person to physical or psychological harm?

No

Will you have access to personal information that allows you to identify individuals, or to corporate or company confidential information (that is not covered by confidentiality terms within an agreement or by a separate confidentiality agreement)?

No

Does the research project present a significant risk to the environment or society?

No

Are there any ethical issues raised by this research project that in the opinion of the investigator require further ethical review?

No

DECLARATION

By submitting this form, I declare that the questions above have been answered truthfully and to the best of my knowledge and belief, and that I take full responsibility for these responses. I undertake to observe ethical principles throughout the research project and to report any changes that affect the ethics of the project to the University Ethical Review Committee for review.

Karthikeya Udupa K M