

IEMS 5722
Mobile Network Programming and Distributed Server Architecture
2015-2016 Semester 2

Short Essay Writing

Due Date: 26th February, 2016 (Friday)

1. Task Description

In this assignment, you are required to write a short essay (2 A4 pages or about 1,000 words) on a selected **Android mobile app**. The mobile app should be relatively popular, and should feature some networking functionalities (e.g. instant messaging, social networking, photo sharing, file transfer, etc.)

Your essay should contain the following sections:

- **Description** – A brief description of the mobile app (e.g. history, major functions, user base, technologies used)
- **Networking Functions** – Describe the networking functions of the app in more detail (e.g. does it involve instant messaging, file upload, cloud storage, push messages, etc.?)
- **Technical Challenges** – What do you think about the technical challenges of implementing the app (e.g. handling many concurrent users, sending huge amount of data, keeping data in sync, etc.)
- **Possible Improvements** – How would you improve the app if you are the developer (e.g. better UI design, better ways of communication with the server, new functions, etc.)

2. Submission

To submission your essay, type your essay in a Word document, and name it using the following format: <your_student_id>_essay.docx (or doc). Submit the document in the CUHK eLearning System online: <https://elearn.cuhk.edu.hk/>

This assignment accounts for 10% of your final grade.