University of Surrey

Department of Computing

Faculty of Engineering & Physical Sciences

COM3001 Professional Project

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Academic Year 2014-15

<u>Meeting Agenda</u>
Friday 24 October 2014 15:00 – 15:30
Location: 15 BB 02

Attendees
- Dr Stephan Wesemeyer – Supervisor
- Chara Katiri – BSc Hons Computer Science Student

Objective
Initial discussion on Final Year Project.

Schedule

Points to address	Attendees	Approx. Time Required
1. Project Proposals, discussion, Q&A.	SW, CK	15'
2. Next Steps, timescales and tasks.	SW, CK	10'
3. AOB/Matters Arising,	SW, CK	5'

Actions	Assigned to	Deadline
1. Next meeting's date to be secured.	CK	27/10/14
2. FYP topic to be decided.	CK	29/10/14

Matters Arising

1. 'Project Proposals, discussion, Q&A' Enlargement:

Keywords:
- Web services
- Virtual enterprise
- Mobile computing
- Orchestration and choreography
- Cloud Computing
- Recommender system
- Authorship attribution and profiling (extract information finding common behaviors in authors)
- Digital media content analysis
- Usable security and privacy

Proposed project Ideas:

1) Unity front end for the mobile app. It is a gaming front end but that supports 3d objects. So someone interested in mobile could do this. I need it to explore a replacement from end for our Let's Explore front end which is currently based on HTML and looks clunky. The museum sector use Unity a lot

2) Conversion from XML of two data back ends from MODES and ADLIB – these are content management system back ends and we want to get this to link to the content management system of our app. They could do this in Java or XSLT. This would be a clearly defined project with easy measurable results.

3) Ltsmin link (might be nice to get more than one person to do this so that we get something at the end which is publishable – they could look at doing a CSP embedding and B embedding.

4) Key management demonstrator which looks into how key management works across domains. Railway motivated – thinking of an example which manages how trains pass country boundaries – so a demonstrator that looks at how one handles authentication across networks.

5) I'm looking to have a web app that pro ides a visualization of where people have gone. I'm wanting to use it on open days. But it would also help my module next semester. I'm looking for something to feedback to a web server that would then track where people walk around on an open day. It is a mobile app, but communicating to a web server and collating data. So interesting from a data privacy point of view.

Other Project Ideas:
- A Pinboard solution: internal website where students can sell second hand books, announce room swaps, sell second hand items (can be electronics, computer software/hardware, bikes, sport equipment), unwanted tickets, charity events, announcements, free staff , wanted (in search) for items, lost and found.
- Progress of a project in a business- Laptop Booking System to allow employees to reserve, book and collect loan laptops in a company (inspired by: solution used in surgeries to book in once you arrive at the surgery. Example: The center of Wellbeing - University of Surrey, Guilford).

Art Related interests:
- Finding more information on a piece of art by scanning QR codes
  - Authorship attribution and profiling can be used to access tweets submitted by random users, people stories and comments/views.
- Image database for Instagram users. Step 1: picture is taken. Step 2: picture is uploaded/shared. Step 3: users are able to find similar pictures taken at the same place based on maps/my location and tags (inspired by : https://www.flickr.com/photos/ajpye/2536213079/ , https://www.facebook.com/photo.php?fbid=10150652853068850&set=a.10150381848838850.3

77505.672113849&type=3&theater .
- Interested in: Art canvas paintings, scanning with x-rays.
- Inspired by: Google Gallery , Rain Room installation, Music DNA.

Other interests:
- Infographics, User Experience Design, book illustrations, book editing, blogs, cycling, environment, galleries and museums.