Software Engineering Workshops

3

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Overview

• Same principles of previous workshops
  – Independent group work
  – Communication-intensive
  – Some degrees of freedom

• Some differences
  – Greater emphasis on implementation and testing
  – More mentoring and technical support
  – Learning a new domain
  – Opportunities for inter-team software integration
Organisation

• LIC + tutors will mentor teams with 4-5 members
• Industry talks
• Mentoring will take place during Tuesdays (9am-12pm)
• Teams should be finalised by end of Week 2
Assessment

• The assessable components for the course are:
  – Functionality and technical quality of the four prototypes (5%+10%+15%+35%=65%).
  – Quality of 3 written reports: Initial, Testing and Final Reports (5%+10%+20%=35%).
• Initial marks will be determined according to the quality of the work (A,B,C,D,E)
• Final marks will be determined according to a ranking of the teams within each category
Schedule

• Week1: Introductory lectures. Group Formation.
• Week2: More lectures. Finalising Groups.
• Week3: Mentoring.
• Week4: Mentoring. Web page and Management Report due.
• Week5: Guest lectures. Prototype 1 due.
• Week6: Mentoring.
• Week7: Mentoring. Prototype 2 due.
• Week8: Mentoring. Testing Report due.
• Week9: Mentoring.
• Week10: Public Demos. Prototype 3 public demos
• Week11: Mentoring.
• Week12: Final demos. Prototype 4 and Final Report due.
• Week 13: Prize presentations (selected teams only)
First deliverable

• Project will use data from different sources
  – Company share prices data
  – News data
  – Social network data
• Building API to process a data file
  – Each team will choose an API spec
  – Web page for each team expected in Week 4
  – First version of API expected in Week 5
  – Early delivery encouraged
Note on specs

• A spec
  – Will be incomplete
  – May contain inconsistencies/errors
  – May need clarifications

• Role of teams
  – Business analysis is an important part of this workshop
  – Study specs and raise issues
  – Use email or ask during mentoring
  – Specs will be regularly updated
Actions Week 1

• Form and register teams on course Web site
• Let me know by Friday if
  – You are a team in need of members
  – You are a member in need of a teams
  – If your team has timetable constraints
• Provisional mentoring schedule will be done in Week 2
• Choose a spec (2 choices)
• Download data samples
Using GitHub

• One individual from each team
  – create a private github repository
  – use name seng3011-<teamName>
  – add all team members and their mentor as contributors to the repository

• Suggested workflow
  – See notes on course web site