

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