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 Mondays (10am-1pm)
• Teams should be finalised by end of this Week!
Assessment

- D1(10%) – Github set up, Project management plan and initial API design (10%)
- D2(20%) - API implementation and specification in swagger (15%), API design and test documentation (5%)
- D3(20%) - Platform prototype demonstration (20%)
- D4(50%) - Final demonstration (30%), Final GitHub repository (5%), Final report (15%)
Assessment method

• Qualitative / comparative method
• 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
• Multiple markers used for large components
Schedule

• Week 1 (Friday 14-16 Colombo C): Guest lectures. Finalising Groups.
• Week 2: Mentoring (Ainsworth 101).
• Week 3: Mentoring (Ainsworth 101). D1 due.
• Week 4: Mentoring (Ainsworth 101).
• Week 5 (Friday 14-16 Colombo C): Extra lectures.
• Week 5: Mentoring (Ainsworth 101) D2 API specification URL due.
• Week 6: Mentoring (Ainsworth 101). D2 due.
• Week 7: Mentoring (Ainsworth 101).
• Week 8: D3 (Ainsworth 101).
• Week 9: No mentoring (Easter Monday)
• Week 10: Mentoring (Ainsworth 101).
• Week 11: Mentoring (Ainsworth 101). D4 due.
• Week 12?: Prize presentations for Optiver (selected teams only)
Project activities

• Project will use data from different sources
  – Public health web sites
  – News
  – Social network data

• Building APIs
  – Each team will choose different data source(s)
  – First version of API expected in Week 5
  – Early delivery/frequent iterations encouraged

• Building a Web application
  – Adapted to needs of users
  – Uses APIs (own and other teams)
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
Use GitHub to manage your project, documentation and submission

• All teams should use GitHub and Git to manage their project code base and deliverables.
• Make sure your GitHub repo is shared with your mentor and course admin (Git id: madhushib)
• Read introduction to GitHub:
  https://webcms3.cse.unsw.edu.au/SENG3011/20T1/resources/41295
• Materials to learn Git and Github:
  https://drive.google.com/drive/folders/1IfIPeCjdNpS_eWZnppn_d7wLK83OhUo3
• Expected Git repository structure:
  https://webcms3.cse.unsw.edu.au/SENG3011/20T1/resources/41318
Actions before 2\textsuperscript{nd} lecture Week 1

• Form and register teams on course Web site
• Let me know by tonight if
  – You are a team in need of members
  – You are a member in need of a team
  – If your team has timetable constraints
• Provisional mentoring schedule will be done by end of Week 1
• Choose a spec (2 choices) by 5 p.m. Thursday week 1 using
  \url{https://www.surveymonkey.com/r/XJSGG7P}