

Resume 5pm! tmw

01/03 Capstone Projects

1) Specification

- 1.1) SRS

- 1.2) Tasks

2) Design

- 2.1) Research

- 2.2) Planning

- 2.3) Prototyping

3) Implementation

- 3.1) Code

- 3.2) Marks

Documentation mgmt

- Change tracking

- SRS control - researching

- Line mgr, PA?

Testing?

- Methods?

- Libraries?

- (JUnit)

- Stack-based development?

- Version-control

- Coding Standards

- PEP

- Oracle/ Google

- Workflow mgmt

- Trello - Drive

- Asanaa

- Taking minutes
for meetings

- Discord server

- Not prototyping key features will lead you to get stuck during implementation

- Capstone 1 is more centred around planning

- Take it seriously otherwise Capstone 2 will be difficult

- Can use whatever, we must provide justification

- Discuss preferences today

Timing mgmt

- Best-practice?

- Format?

- Coordination?

- Setup?

Assessments

- 1) Application

- Preferences

- CV/ Resume - involves marking
(5 marks)

- Prepare for using online comms
 - Teams
 - Webex
 - Zoom

Software Requirement Specification

- Ensure to define measurements for success
- Overall
 - 1) Specification
 - 2) Negotiation
 - 3) Success who've done
- Could benefit from people Secure Programming
- and Database Systems
- May require IT/CS students
- If we don't nail it, we give client room to raise issues
- Two types of client
 - 1) "I want exactly this..."
 - 2) "I would like to do this, any recommendations?"
- SRS by week 4
 - Iterating each sprint after
 - Do the most you can, get more feedback
 - Differences in circumstance are accounted for.
 - Talk to supervisor before submission
 - Use a cloud doc document editor (so, Docs)
- Read SRSS on the milestones tab
 - Examples
 - About 11 pages now
 - necessary for success

Tasks

- Group marks (70%, roughly)
- Individual marks (30%, roughly)
Overall,
 - 1) Group
 - 2) Individual
 - 3) Agile
- Compose flowchart of necessary tasks components
- Formal process for meetings
 - Minutes!
 - Minutes!
 - Minutes!
 - Everything done with the group should be accounted for

Groups

- Try things you aspire to
 - Leadership
 - Project Management
 - Development
- Put important things in writing
- Teamwork
- Implement regular code reviews
- Test incrementally
- Ensure code from all team members comes together nicely

Planning

- Shouldn't be writing serious code by this semester
- Make sure you work on a Software Architecture specification seriously

- Large part is based on "this is how x communicates with y", managing subprogram communication

Coding

- Review Introduction to Software engineering again
 - Using Git, commits, merges etc
- Marks
 - Ensure you evidence what you've done
 - Toggle?
 - Use it to track hours for Capstone
 - Try to use live-timing as much as possible
 - More convincing than post-timing
 - Minimum of 10 hours
 - Our time is paid for through marks

Industry Nos

- E3 - Meta API - Bluesky Digital Labs

General Notes

- Briefings are "data dumps"
- Workshops are really only beneficial if you're all here
- Have to work during tuition free
 - Consistent work necessary
- Work due during study week??
- 30 hours each sprint
 - 3 weeks
 - 10 hours each week

- Recordings from presentations are available through people who did Capstone last sem
- Will also have ~~the~~ Capstone presentation from people who already started

Questions from iLecture

1) Do we need to evidence CV?

NO, just submit it. NO need to start timing until week 2. But, start now if you want, to get used to it

2) Should we track time spent on Capstone Lectures?

(in person too)

Yes, if you're doing it at home, be sensible

3) Milestone 1 marking?

Done by the careers team, they have lots of experience doing it.

TIME EVERYTHING DONE FOR THIS UNIT!

Companies (Industry)

- Blue Sky (E3) X
- Amristar (E8) ✓
- Deloitte (ET, E2)*
- Veritas