Software Engineering

Session 8

Today

Lab

- Sprint 3 requirements
- Lab catch-up
- Agile development guest speaker (11am)

Seminar

- Sprint 3 code and organisation

NEXT WEEK and beyond

THIS week, w/b 10th March –

Visit from Louise Bolton, Agile Coach and project manager

+ Sprint 3

w/b 17th March (week 9)

- Forms, passwords and authentication

w/b 24 March (week 10)

Continuous integration with Github actions and testing with Nightwatch browser automation

w/b 31 March (Week 11)

Deployment pipelines /Sprint 4 workshop

w/b 7 April

Presentations

Sprint 3 requirements

The aim of this Sprint is to have a working prototype of your application, showing good progress in the technical deliverables of the project, and providing a proof of concept for your idea.

Submission requirements for this Sprint:

- Updated task board of user stories showing progress in the technical deliverables.

- Github repository showing work from all members of the team

- Implementation progress towards final version of application:
  - Database design
  - Database implementation with pre-filled data
  - HTML pages available generated from PUG, showing static content *(eg. About us page)*
  - At least some dynamic content being pulled from your database to your templates via Pug - *concentrate on views of your data and don't worry about adding/updating for now*

Sprint 3 requirements (2)

For the Sprint please hand in to Moodle a single PDF with the following:

- Your group name and members
- The user stories you have implemented in your sprint accompanied by the relevant wireframes, activity diagrams and screenshots of your implementation
- A screenshot of your github repo + link
- A screenshot of your taskboard + link
- **Note that we will measure group participation by looking at your github commits and taskboard updates.**
- **As before, only one group member needs to submit.**
- **Sprint reviews to take place w/b 17 March**

Sprint 3 expectations

- Feedback from sprint 2 is actioned
- Specification for each feature is in your task board and **aligns with what you have made**
- What you have created (listing pages, single page) illustrates the 'USP' of your application
- Data from the database is pulled into the front end using PUG *(you may also create some static pages)*
- Code is well structured, including OOP models where possible
- Github has been used correctly, showing frequent commits and ideally branches/merges for each feature
- .env file and database dump file are NOT added to github
- Docker is used by all team members for their development environment

Consider...

- Have you created and shared your database?

- Do you all know how to push/pull from git?

- Are all group members commiting?

- Is your task board and accurate reflection of the work you are doing?

- Are you using OOP in your code?

- Do you know advanced git workflows eg. Pull requests and merges?

Technical skills required for sprint 3

- Express dynamic routes (lab week 3)
- Docker development environment (lab week 2)
- Database import/export
- Dynamic data pulled from the database to PUG templates (lab week 5)
- OOP implemented for the 'model' part of the MVC controller (lab week 7)
- GIT (lab week 1)