COMP23412

Week 1: introduction to course unit and Web frameworks


Markel Vigo


Rob Haines


Mustafa Mustafa


Thomas Carroll

This is not COMP23311

- Labs are for doing coursework
- Team marking: all the members receive the same base mark unless members' contribution is not significant
- We are not prescriptive about the git workflows you use

‘Brown field’ vs ‘Green field’ development

- COMP23311 – working on an open-source codebase
  - Fixing bugs
  - Adding features
  - Getting experience with git and CI
- COMP23412 – building an enterprise web application
  - Entirely lab-based – focus on coursework
  - Customer requirements, user experience and security
  - Team study sessions provide time for teamwork

Overview

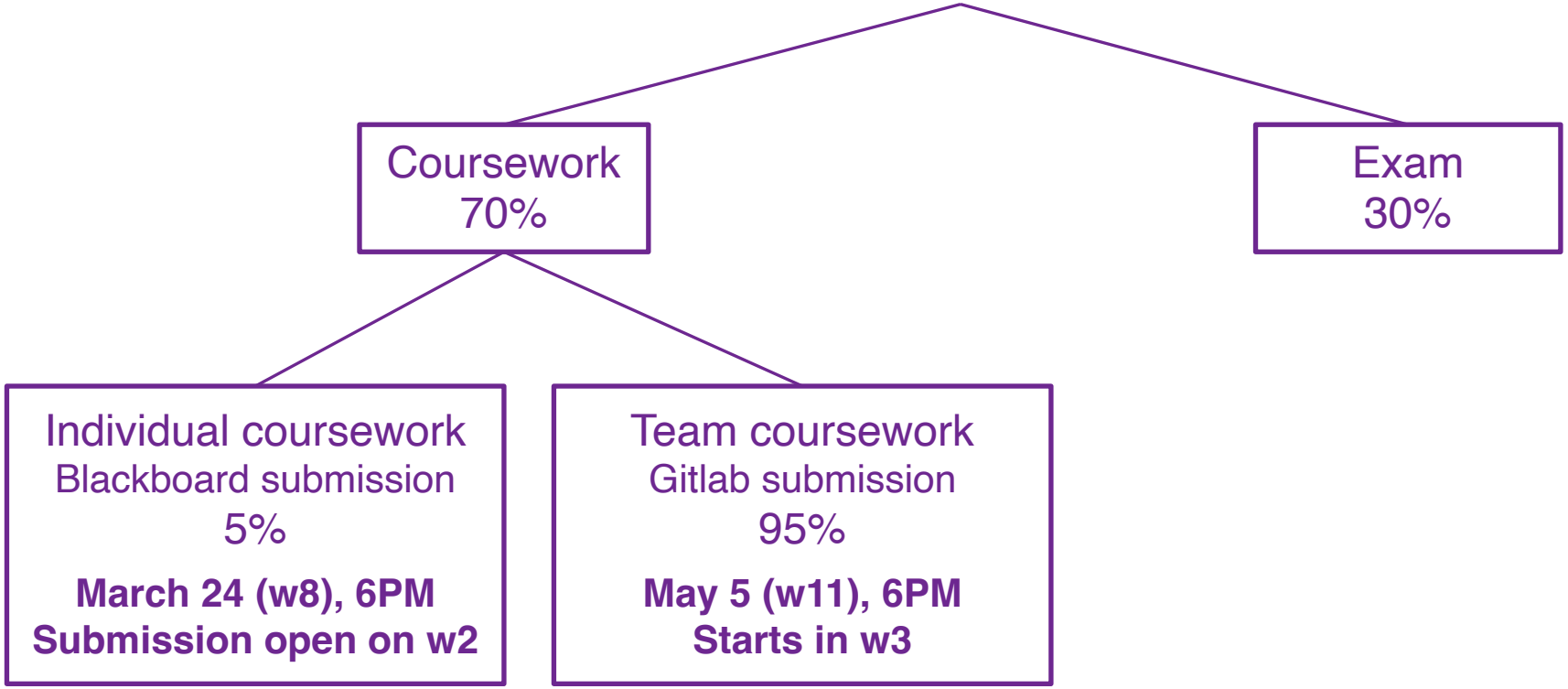
Week	Topic	Highlight	REQS	Lead
1	Web frameworks	⚠ **Important** to understand coursework, not marked		MV
2	User interface design	Individual coursework starts		TC
3	Data modeling	• Team coursework starts • Teams created • Team study sessions on Fridays	✓	RH
4	Security		✓	MM
5	Specification by example	Formative assessment (checkpoint)	✓	MM
6	Testing functionality in isolation		✓	TC
7	Using external APIs		✓	MV
8	Integrating external services	Deadline of individual coursework March 24, 6PM (Friday)	✓	MV
	Easter break	3-weeks break		
9	Providing a REST API	Last week of requirements	✓	RH
10	Catching up with requirements	Formative assessment (checkpoint)		All
11	Exam practice	Last chance to finish off your team coursework. Deadline: May 5, 6PM (Friday)		All
12	Showcase	Marking during your lab session		All

Format of the course unit

Session	Timetable calls it	What?	When?	Where?	Modality	Why?
Lecture	Online lecture	20-30 minutes lecture*	Monday 10:00–11:00	Link available on Blackboard	Async	Set the theoretical foundations for the week
Lab	Lab	Practical work	Mon 12:00–14:00 Tue 11:00–13:00 Thu 11:00–13:00	KB 1.8+1.10	F2F	Put theory into practice through coursework and **formative feedback**
Team study	Team study	Q&A + practical work	Friday 10:00–11:00 11:00–12:00	G23 and LF31	F2F	A timetabled slot to work with your team and get help from TAs
Quiz	NA	Formative assessment	Every three weeks	Link available on Blackboard	Async	To identify your strengths and weaknesses
Reading	NA	Readings on software engineering	On five different weeks	Link available on Blackboard	Async	To deepen your understanding of software engineering

* It is important to “consume” the lecture before going to the lab as, often, the topic is related.

Assessment



- Individual coursework marking: against rubric
- Team coursework marking: acceptance tests

Exam marking:

- Automated marking including MCQ type questions and similar

Teamwork assessment: checkpoints

- Week 5 and 10 checkpoints
  - No marks are directly allocated
  - It's to make sure that
    - Everyone is engaging
    - Give people the chance to raise issues
- It is essential that all team members
  - Attend checkpoints and final showcase on week 12
  - Can explain how they have contributed to the work

Anyone not attending formative assessment checkpoints, and not able to demonstrate their contribution, will lose 20% of their final mark in assessment. You will get 0 if you don’t attend the showcase.

Teamwork assessment

- 50 marks
- 46 marks through acceptance tests
- The top 2 students in each team will get the remaining marks
  - 1st: 4 marks
  - 2nd: 2 marks
- Decided through a polling system
- Criteria: leading member, major contributor, team member, etc.

Teamwork assessment

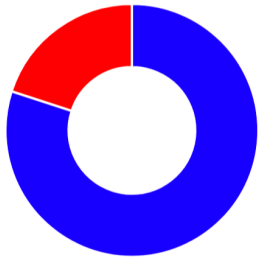
- Default: equal marks (out of 46).
- To be eligible, we will check:
- Marks will be lost (see manual):
  - Attendance to checkpoints/showcase
  - Activity in GitLab
  - Issues assigned and resolved
  - Engagement with other teammates
  - Team decides, but we will arbitrate

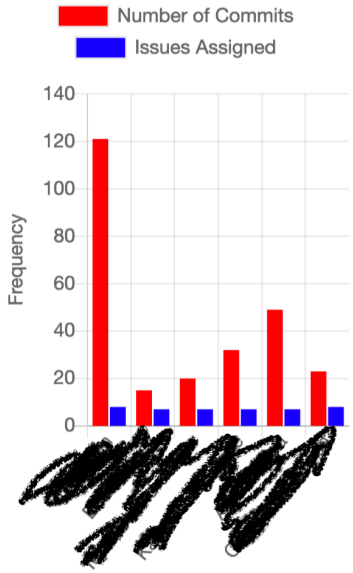
COMP23412 - Progress Report

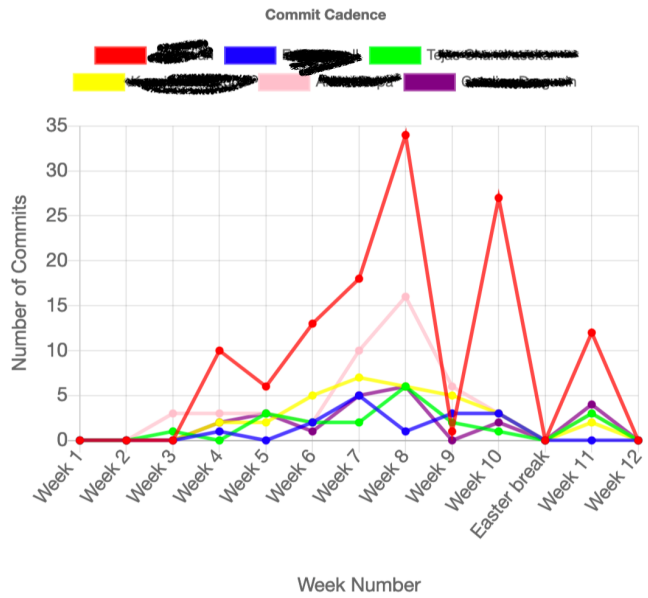
Summary of contributions to **Group eventlite_F01** project repository
from **2019-01-28 09:00:00** to **2019-05-13 18:00:00**

Name	Number of Commits	Number of Issues Assigned	Number of Issues Closed
[redacted]	121	8	7
[redacted]	15	7	7
[redacted]	20	7	11
[redacted]	32	7	5
[redacted]	49	7	7
[redacted]	23	8	7

Group lab attendance: 48/60







Location of resources and communication

- Blackboard is the hub containing pointers to
  - Taught materials under *Week plan*
  - Labs under *Assessment*
- Feedback and support is available **during lab sessions** and **team study sessions**
- Do not use email (unless it's a personal matter) to ask questions asynchronously but the forums in Blackboard (under *Communication*):
  - The **coursework forum** for coursework related questions
  - The **general discussion forum** for any other matter

Academic malpractice

From the University of Manchester Academic Malpractice Procedure[1] on **collusion**:

> *when a student or students permit or condone another student or students, to share a piece of work subject to assessment in order to gain a mark or grade to which they are not entitled. Students who allow another student to copy their work are also committing collusion and both the copier and the provider of the work are liable to be penalised.*

- Changing names to variables, methods and the output while keeping the same structure and logic is plagiarism too.
- We are using plagiarism checkers, which were very effective last year
- Students caught will be referred to a plagiarism hearing and plagiarism may end in your records

1: https://documents.manchester.ac.uk/display.aspx?DocID=639

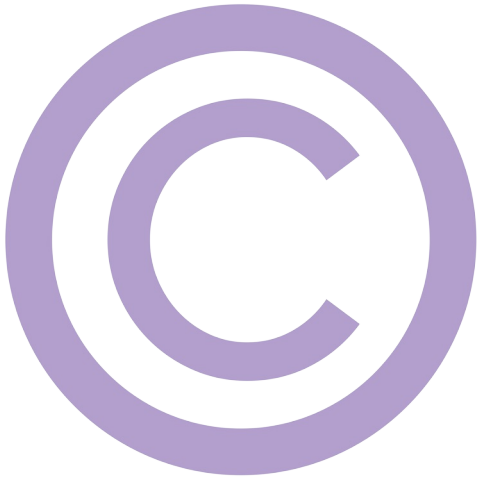
Academic malpractice

54

Assistance on coursework and labs

- For the individual coursework you only need a browser
- The first lab and team coursework code is designed to work in: Linux machine, Java 11 or 17 and Eclipse
- We are not going to provide support for other operating systems or other IDEs

Teaching materials are copyrighted



- This includes coursework, lecture videos and labs
- **Do not upload materials to public repositories** as it breaks the copyright and enables plagiarism

Week 1: putting MVC into practice

- Mapping MVC into the real world:
  - It's messy
  - Requires lots of trade-offs
  - "more than one way to do it"
- In this course, we're using Java 11-17 and the Spring framework
- This week's lab: adding functionality to a Spring application