206CDE Individual Report

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Tutorial Group ID: 9
Tutor Name: Ian Evans
Group ID: 4
Group project title: The Preparator!

The project that I worked on as a group is called The Preparator. The preparator is a Moodle extension that allows the lecturers to drag and drop information from the previous lectures and labs to create revision guides for lecturers/students on each topic. It makes it easier for lecturers and students to access the relevant information, and is something lecturers can use year after year with minimal editing. It would resemble a timeline look on a Moodle themed page. Students will have links on the modules to PDF guides where they can select different PDF's relating to different topics. This extension is designed to be universal in that it can be used by all courses. Lecturers will be able to select slides/chunks of information/images from presentations/material on Moodle and drag and drop these into revision guides.

We came up with this project idea because from personal experience I have experienced that the lengthy slides on Moodle have it harder for me to revise because there is too much information and it is a lot to make it, therefore making it harder for me to pick out relevant information. We conducted a survey with more than 75 students of Coventry University and more than third of them shared the same experiences as me. This led me to decide that the Moodle extension was relevant and important which made me agree to the idea in the group.

My role in the project & Reflection

I was the mostly a researcher in the group at the beginning. My first task was to research on our closest competitors online. I went and found that our idea was very niche as there were no exact competitors that had our extension idea. The closest competitors I found was BBC Bitesize and Cisco NATCAD. They offered student on topics to revise in a form of a single document which made it easier for students to revise and learn relevant information which makes it simpler when they take their exams. This made us believe our idea/implementation is original and unique, this gave the group more motivation as we knew if we work hard on it then we would have the chance to get highest marks on the module as possible.

Next task was to contact University's Moodle about the rules and regulations that would be applied to our if we were to test our Moodle extension on Moodle. I emailed the IT services and I got a reply. It gave us the relevant information on what plugins to use to make it compatible with Moodle and themes to make it as close as Moodle's theme so that the extension looks like a Moodle extension. This gave the group an idea creating design ideas such as mock up screenshots and what program to use to code the Moodle extension on.

I also looked at the risk assessments. I researched about the reasons that make a project fail in the real world and researched on how it is relevant to me and the group. I finished the report and sent It to the group to make sure that they read the reasons and understand what they need to do and avoid so that the project development stays in the right timeline and that there are no delays which would not only stop the development of the extension but also made everyone fail or get low marks.

My last task was to create a step-by-step user guide for the lecturer and students. To this I had to collaborate with the main programmer. We started working on the code in Java after my market research helped us to decide what programming language to use. I had to observe and give ideas on how the system should work and make sure that the extension was programmed in the way that the group discussed. For this I created a step every time each phase of the extension was finished, this made both the user manual and the extension stay in sync and made sure that the user manual

followed and gave right instructions for the students and lecturers on how to use the extension on Moodle.

I think as a group the communication was the key part in finishing the extension. We kept communicating through WhatsApp each week with ideas throwing at each other back and forth on how we could do the extension and on how we could improve It once we finished it, this led us to meet outside the university to do extra work. This led me and the group to stay on track and did not hinder the development of the extension. This also helped me build up my communication skill as I could open more to the group overtime and build up my confidence which also helped to work on my social skill.

Overall from the project, fortunately there were no delays in the creation of the project. Only delay was that one of the member was absent from weekly meetings and class but his task was contributed to the rest of the group to make it fair on everyone. As an individual, I have experienced and learned skills that will help me in the real world, such as communication skills when I graduate and looks for jobs, it will be an important asset in the interview process and working with work colleagues. I have also technical skills of Java by watching and learning with the main programmer of the group which has made me even more passionate about learning more programming languages. If I have the chance to do the project I think I wouldn't change much because being in a group with strangers has made me gain important skills which will help me stay competitive in the real world, however If I had to do it again I think I would be more vocal from the beginning because now I have more confidence taking to people and sharing ideas more expressively.

Social, professional, legal and ethical issues consideration

For this project, as a group we considered issues that could arise with the Moodle extension. In terms of social and professional issues, we considered that the extension would make it easier for students to skip lectures as the extension would summarise each topic for them. To tackle this, we made sure to add an attendance record, therefore this extension would be available only to those students with a certain attendance percentage. Legal issue we considered was uploading the extension to Moodle development process which requires testing and this could have stopped or broke Main Moodle page. To tackle this, we considered that we would do testing with creating a survey for students and getting their feedback on the extension.

References

N.p., 2017. Web. 7 Apr. 2017.

"Cuonline Moodle". *Cumoodle.coventry.ac.uk*. N.p., 2017. Web. 7 Apr. 2017.

CV (2 pages)

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Second year student at Coventry University with the drive and determination to succeed.

Ambitious and experienced learner with knowledge and skills acquired through academic history and extra curriculum. Honest, hardworking and team player who is always seeking new challenges, always dedicated and punctual with new ideas to solve problems and challenges.

Education

2015 – 2019   Coventry University
BSc Computer Science (achieving)

Second year modules(achieving): Programming, Algorithms and Data Structures, Data and Information Retrieval, Software Engineering, Real World Project, Technology and its Social, Legal and Ethical Context, Operating Systems, Security and Networks, EC Futures - Placements & Employment in the Graduate Market.

First year Grade: 2:1
First year Modules: Enterprise Information Systems - 60.25%, Designing for Usability – 69%, Computer Architecture and Networks – 53.9%, Introduction to Computing – 56.6%, Introduction to Algorithms – 66.5%, Logic and Sets - 96% and Computer Systems and Networking (CISCO) – 47.48%.

2012 – 2015   Uxbridge College
A-Levels: Media Studies, Business Studies and ICT.
Five GCSE's: Maths(B), ICT(A), Statistics(C), Physics(C), Chemistry(C).

2008 – 2011   Rooks Heath High School
GCSE's: English Language(C), English Literature(C), Design & Technology: Graphic Products(C), Religious Studies(C).
BTEC: Art & Design, ICT.

Technical Skills

- Python
- C++
- Adobe Photoshop
- Windows
- SQL
- C#
- GitHub
- Project Management
- Microsoft Office
- Final Cut Pro
- WordPress

Projects and additional training

- Ev3 Mindstorms (First Year): Challenge was to come up with a game for the Robot to follow/program. It was a great way to start first year. I had to work in a group to make the program for the robot to follow. I learned skills such as Team work, Time management, thinking outside the box, working well under pressure.
- Virtual Robot Bargain Hunt (First Year): Challenge was to develop a program with a graphical user interface which enables virtual robots to search for bargains. It was harder than the first project and required more technical skills – Python. I had to work in a group again, making me use my time efficiently as I had to work how to divide tasks between the team members.
- E-Portfolio: https://raia10coventryacuk.wordpress.com/

Work experience and additional skills

2016-2016 **Warehouse Operator, B&S Group, Perivale**
- Checking expiration date of Pharmaceutical medicines
- Reporting stocks level to the manager
- Team work to make sure Pharmaceutical medicines went to their respective places
- Constantly active and vigilant of errors
- Rectifying errors if there is any
= I was given high level of responsibility which gave me skills such as ensuing attention to detail at all time, problem solving, team work, high level of accuracy.

2011-2012 **Shop Assistant, St Luke's Hospice, South Harrow**
- Managing donated items to be separated into the right sections
- Cleaning the items if necessary
- Stocking cleaned items into shop's display
- Assisting staff with sales
- Customer Service
= I had some of my best moment when I worked for St Luke's Hospice because I learned a great amount of skills from them as I looked at the staff and I learned how to behave towards customers, improved my communication, resolving issues calmly and friendly approach and practice.

Achievements and Interests

- Active member of Nepalese Society
  - As a member, I take parts in extracurricular activities such as Football tournaments, badminton tournaments. I also help with extending the range of Nepalese culture and traditions towards the students of Coventry University.
- Active member of Hindu Society
  - As a member, I organise different events in my free time such as Hindu dance, Arti and Football tournaments against other societies.
- Played in U16's High school football team.
- Other interests such as in my spare time I like to game with my friends. I loved gaming all my high school and college years, however I now have more responsibilities and less time which makes it difficult for me to find a time to game with my friends.

Reference
Reference available upon request.