Maria Gibson L00105748- Polo Insurance Dev-Ops

**Conclusion**

DevOps project is an agile based project, developed to illustrate to students how modern systems are developed and the tools required to achieve this. Aimed at addressing a real-world scenario of an agile environment, which requires the pipelines of communication, code development, scrum meetings and testing flows, whilst interacting with specific tools used in industry today.

Team Polo’s devOps project was required to develop a web-based health insurance quote. Initial specifications given were to develop an on-line, clean and simple system to enter customer details and calculate risk to produce cost of insurance. The system had to take into account factors including unusual personal details, detailed health information of a smoker or a non-smoker. Travelling destinations outside Europe and US also had to be addressed. Administrator was required to access detailed information and edit appropriately whilst the client could only enter details. As the project developed extra functionality was requested by client i.e. Lecture that required minor changes. This element was designed to highlight how events change as systems are developed.

One of the tools used was Jira this was setup at the beginning of the project to illustrate Sprints, create tasks and assign tasks. Sprints ran on a weekly basis and work achieved was marked as done, some were in progress, while any tasks not completed were put onto backlogs for the next sprint. Jira helped track the progress of the project. This enabled the student to fully understand how Jira functions and how useful this tool is to project management.

GitHub was implemented for the uploading of documentation and code. As this student was been mentored on Web-development, only code developed by student was a Converter Class code and tester in java for research purposes. However this was not needed as a simpler option was agreed upon. Most of this students pushes and pulls centred on documentation. However these were done to the individuals’ branch and not the master, this was an oversight on student part of not fully implementing githubs functionally properly. The correct process would have been to pull down mark changes push up and merge with the master branch. So the master branch would always have the latest and up-to-date version.

Overall this was a rewarding experience. This student has worked as part of a team on numerous occasions and can fully understand the benefits these tool have for an agile environment. Team polo worked well together and scheduled team meetings and progress reports were carried out on a weekly basis. As student was mentored in web development extra collaboration on design and creation was required and given. Working as part of an agile team and using tools commonly used in industry a greater understanding of what is required for working with prospective employers was achieved. As previously stated this was a rewarding experience, and this student can only praise the attitude and professional approach taken by all to deliver the required system.