**Sprint 1 Retrospective**

**Pied Piper - Team 5**

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| **Student Number** | **Team Member Name** | **Roles** |
| N8806781 | Seok Yoon | Developer/Scrum Master |
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Date: 04/05/2018

Sprint retrospective 1

# What we did well:

* **Learnt a lot of various platforms and languages.** 
  + The group started out being very unfamiliar with the Django platform and web development practices. The group worked together regularly and asked each other for help when members would get stuck on a problem or task. These practices helped us to try and avoid “hitting the wall” and experiencing stagnation in progress and team members burning out.
  + While using an unfamiliar framework and programing language, the team explored various areas they were not comfortable with. This was made possible due to the sheer amount of research that was done on the unknown topics.
* **Had a lot of stand up meetings** 
  + Everyone participated in stands up regularly and the group often stayed back past the scheduled finish time to put in extra effort into solving problems raised in the meeting.
  + Every team member participated in “1:1” stand up meetings when group members project work was on a similar topic, this helped make sure everyone was on the same page when it came to designing and implementing the project.
* **Set up version control and IDE** 
  + By setting up various version control mechanisms, it was possible to produce a project with secure backups as well making the task of tracking of progress easier.
  + Having access to other team member’s work through the version control was very flexible since not everyone was a code expert, it was good to be able to share their work to review,
* **Tried to maintain a consistent schedule to ensure steady progress and to better estimate team velocity** 
  + The group had weekly check ups during the stand up meetings to make sure that the group members were progressing and decisions on task allocation were made based on this
  + By utilising social media messaging, the group was able to update one another outside of scheduled meeting times. Having access to each others advice, opinions and critique ensured that all work being done was reviewed or at least cited by another member of the group, to ensure all development was accurate. This allowed the team to actively progress towards completing the project.
* **Almost finished all the user stories** 
  + Most of the project functionality for sprint one was delivered on time with only few unit tests not being completed completed due to inexperience with using unit tests for a web development project.
  + While there were a few unit tests incomplete, the group now has a much better understanding of the process of completing their individual cards, and complimenting them with solid unit testing.

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# What we did not do well:

* **Communication problems**
  + Occasionally team members will go ‘off the radar’ or are ‘radio silent’, the lack of communication on their part sometimes caused problems setting up meetings or keeping up with deadlines.
  + Sometimes team members had to abruptly decline to attend meetings due to unexpected problems or previous commitments. There were also times when team members would arrive late to the scheduled meeting, causing meetings to drag on longer.
* **Delayed progress updates**
  + Team members weren’t always consistent with updating Jira. Rather than changing the status of each card they work on they would complete multiple cards without updating previous ones. This caused the Jira sprint board to be out of date.
  + The version control was done with Sourcetree, but a problem arose when group members did not know how to use the program properly or were not bothered to update their code in a timely manner. This led to problems of outdated versions being pushed to master or slower workflow due to needing to wait for someone to teach how to use Sourcetree again.
* **Foresight and planning**
  + The team used sqlite due to the ease of use and ease of set up. Various sql was discussed but for this particular project, the team decided that it was best to use something light rather than over complicate the database. It was found later in time, the project was supposed to use mySql.
  + The teams had different versions of Django framework which led to unmatching version error within the IDE. It should’ve been obvious that some may get the wrong version but it wasn’t obvious enough to care until later in the project.
  + One of the team had a mac while all others used windows. This made installation of the programs used in the project longer than necessary since no one knew how to use a mac efficiently.
* **Procrastinating the workload**
  + Not being proactive with other university and social commitments lead to compromises in the scheduling of meetings too often
  + Members sometimes put off undergoing work on the more complex aspects of the development stage of the project, while some of these components were beyond the ability of some members of the team, the idea of an even workload was often not the case.
* **Estimating workload** 
  + Insufficient work planning has led to unexpected amount of workloads, this created frustration and diverged commitments by the team members. Part of the reason workload was misjudged was due to lack of experience.
  + Workload was often misjudged and underestimated, while the time frame of some tasks were affected due to other academic commitments, some tasks took far longer than the allocated time frame that was assigned to an individual task.

# What we will do differently next time to improve the performance:

* **Availability with team meetings**
  + Some member weren't able to attend some meetings due to other commitment (eg work, exams or etc), which causes members to have to conduct meetings to explain discussion topics from the other meeting. In the future to overcome this problem would make sure that everyone is able to attend future meetings prior to setting a date.
  + The team will do their best to make sure the allocated meeting time is accounted for and avoid sudden cancellations by managing their schedule more efficiently.
* **Communication with other team member**
  + Some teams members had trouble to communicate to other members when they were unable to do the work/didn’t understand the work/programs. What will be done differently to fix future complication members will have to notify the group immediately when the problem arise.
* **Delayed updates**
  + Once works is done with Jira or Sourcetree group members will upload the work as soon possible to allow other members to able continue their work.
  + Notifying other team members regarding any future plan unrelated to the project to remove any abrupt cancellation on meeting or any other scheduled plans for the project.
* **Procrastinating the workload**
  + Trying to be more proactive in the scheduling of meetings to avoid repeats, with compromises to other university subjects and social commitments.
  + Frequently remind members within the group of specifics, e.g due dates, criteria, vital components that could easily be looked over ect.
  + Do our best to highlight that not all work is independent of itself and that other members in the group rely on the completion of work in the early stages of the sprint in order to move on to the later, more complex subjects that may be more time sensitive.
* **Estimating workload** 
  + With Work planning estimating potential task creation use actual taken time from sprint 1 Task time from Jira.
  + Taking external events or academic commitments of group members into consideration of the estimated time frame of which work will be completed, as it may cause members to redirect their workload or time, spent on other subjects.
* **Communication**
  + With group member having other assessments or commitments there was long periods of Radio silence and/or being absence or being late meetings, in the future the group will try to be more proactive with scheduling meetings and members will have to make compromises to other university subjects and social commitments to ensure we have the best communication with each other.
* **Foresight**
  + Rather than having an anomaly, if the resource is available the group should be trying to match the work environment as symmetrical to other as possible.