**RETROSPECTIVE LOG**

**SPRINT 4 RETROSPECTIVE**

What went well?

* We have a better idea of the items needed to comprehensively plan and record a sprint
* Learned a lot about tech approval process
* Sprint planning meetings are more productive

What went poorly?

* Poor time estimation
* Poor communication during sprints
* Missed standups due to unexpected events
* Unexpected personal life events extended sprint due to unexpected even
* Communication between client was minimal (attend more office hours)
* Under planned items because we were unclear on how to proceed

What will we do next time?

* In the case that no one can make actual standup meetings, can just direct message the scrum master with the required information
* Thoroughly go over project backlog and re-estimate time for high level tasks. This will help us better estimate the
* For time estimation, when we break the work items into tasks, if the estimated time to complete tasks exceeds the estimated time for the work item they are a part of, we need to reconsider the sprint length or reconsider the items to be done this sprint.
* In the case we are unclear how to proceed, do more research and ask professor clarifying questions

**SPRINT 5 RETROSPECTIVE**

What went well?

* Had really productive meetings with the group
* Effectively discussed our future plan
* Posting documents more frequently and discussing topics daily
* Time estimation was carefully considered here

What went poorly?

* Planning once again; troubles with tech approvals extended the sprint
* Communication between teammates were a bit scattered sometimes due to scheduling and outside conflicting assignments
* Being able to help each other out of blocks, because lack of direction for specific items

What will we do next time?

* Being more verbal about our blocks has been effective towards the end of this sprint
* We discussed that spending more time by putting our heads together has helped tremendously to improve our production towards the end of this sprint. So improving on this field to help get ourselves out of blocks will be the goal of the next sprint
* Having shared our resources everytime we can has helped bring the minds on the same track of what we’re trying to process in the LLD.
* Effectively messaging each other individually has also shown improvement, so we will continue to do this, and relay the information to the rest of the team later.

**SPRINT 6 RETROSPECTIVE**

What went well?

* Communication was at it’s all time high
* Day to day updates on groups progress
* Stand-ups were met properly with blocks being taken care of
* Estimation of points
* More granular task breakdown in re-evaluation of Project Backlog helped us plan our sprints better (completing granular tasks feels better and is easier to track)
* Group coding helped people learn and stay up to date

What went poorly?

* Lots of crunch time
* Tasks were switched around between people often

What will we do next time?

* Being able to find the strengths of our teams to better prepare with task delegations
* When we think about priority points, also think about any possible dependencies. Things will have higher priority if they are depended on by other things.
* Better planning in low level design phase will help us in the long run
* We have been having to research components on our own a lot, taking up significant time. Maybe having a list prepared of required knowledge would help mitigate tangential research and constant “research scope creep”
* If a task is to be reassigned to someone else, update it on the kanban board so that we don’t get confused later about who is actually doing what