WEEK 8

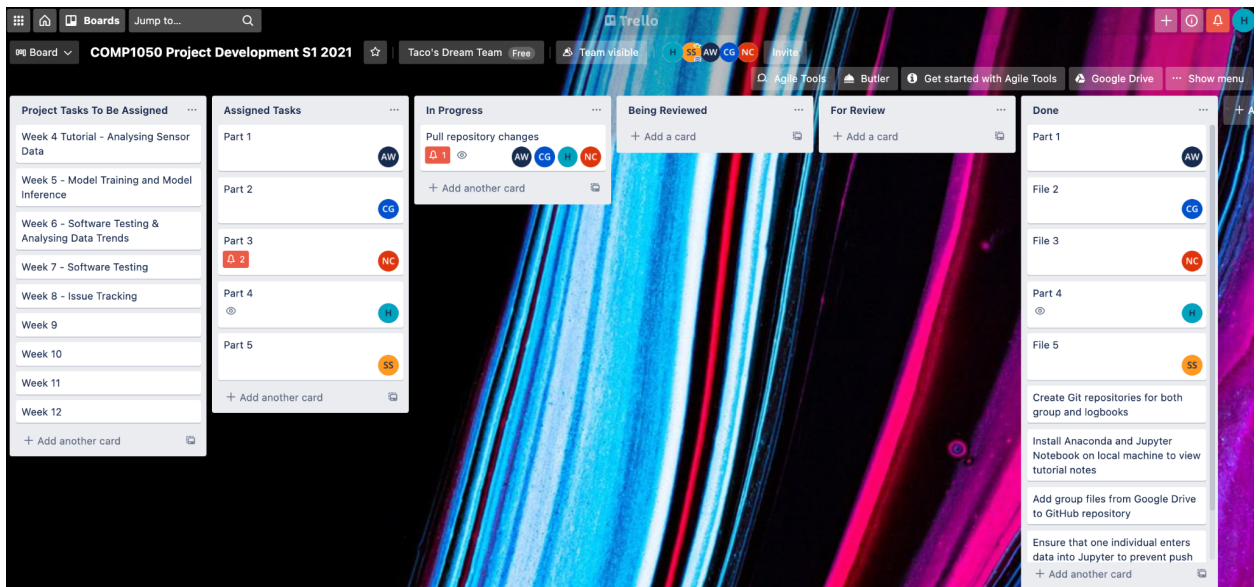- **Did git pull , to get week 8 files.**
- **The group leader has created a trello board and assigned tasks to all the team members.**
- **I was assigned the file4 , I have made the required changes.**
- **All the team members did git push and did git pull, to get the changes.**

- **What is the order that the commit messages have been listed?**
Annie,Chelsea,Himanshi,Nour,Suchita

- **Can everyone see everyone's commits? Are any missing?**
Yes we can see everyone's conflits. None missing.

- **Did anyone have any merge conflicts or was git able to work out what needed to be merged?**
No one from the group had any merge conflicts today.

- **Why do you think this was the case?**
Because we waited for each person to finish their individual git commit and push one by one , after every member finished the push , we all did git pull.

- **Take a screenshot of the commit history that is viewable in the terminal and include it in your logs.**

```
commit 18e2eadc967eaefa1bc7faddea6d1cc5488eccd1 (HEAD -> main, origin/main, origin/HEAD)
Author: Suchita Sood <suchita.sood@students.mq.edu.au>
Date:   Tue Apr 27 11:41:09 2021 +1000

    file 5

commit b1205345a7d64bb8bac53c5c4217a36a4def46b6
Merge: b22af4e 75f738f
Author: Suchita Sood <suchita.sood@students.mq.edu.au>
Date:   Tue Apr 27 11:40:49 2021 +1000

    Merge branch 'main' of https://github.com/suchitasood12/COMP1050Project2021 into main

commit 75f738f2c15eb6522484cbef5a55be2edee9fe13
Author: Nour Chalouhi <nour.chalouhi@students.mq.edu.au>
Date:   Tue Apr 27 11:40:34 2021 +1000

     file3.txt

commit b22af4ef93b0163ef0509b83f22ab0ae641e014b
Merge: 5622341 f8e26d6
Author: Suchita Sood <suchita.sood@students.mq.edu.au>
Date:   Tue Apr 27 11:39:03 2021 +1000

    Merge branch 'main' of https://github.com/suchitasood12/COMP1050Project2021 into main

commit f8e26d60e22caf7fee2456b643fac39c29fa4d16
Author: himanshi-garg0404 <hima.garg.aus@gmail.com>
Date:   Tue Apr 27 11:38:47 2021 +1000

    file4.txt

commit 5622341276e815a7c2ad4d6d0840797068adc2f0
Merge: 849d2e8 b2f9124
Author: Suchita Sood <suchita.sood@students.mq.edu.au>
Date:   Tue Apr 27 11:38:12 2021 +1000

    Merge branch 'main' of https://github.com/suchitasood12/COMP1050Project2021 into main

commit b2f91247a4453403b0f868a17923048edfb9da97
Author: chelseagatsi <80369238+chelseagatsi@users.noreply.github.com>
Date:   Tue Apr 27 11:37:45 2021 +1000

    file2.txt
:
```

Task 7A:

- As a part of this task , the team leader assigned us a card on a trello board with a number.
- Then we all made the required changes in the group text file.
- All team members did git push one by one and we all did git pull.

Task 7B
- As a part of this task we are required to make changes to group text file 2.
- We have made the required changes to the file.
- Merge conflict :
  I don't have Chelsea file changes.
  Nour has Chelsea file changes but not mine.

  Finally , we have fixed the merge conflicts.

REFLECTION:

What was the difference between a Trello card and a GitHub issue? Do they have a different purpose?
YES there is a difference between the two as there was a merge conflict with regard to github issue. Whereas there is no merge conflict in the trello board.
As the trello card is only used to assign a task to the team members.

Are there any Trello Power ups to help link with a GitHub Repository / issue tracking capability? If so, would that help you manage your projects and issues?
There are trello power ups but our group has not used any of them.

What can cause a merge conflict in a git repository? How do you deal with a merge conflict if you encounter one so that you can continue working on other bits of code? Can you commit your changes while there are still merge conflicts?

Cause of merge conflict: When multiple people are trying to do git push.
Solution to this problem: Each person at a time must modify the file, save it , add the file to the staging area, commit the changes, and push the changes.
The remaining group are required to do a git pull.
Each person needs to modify the file the above steps are repeated till the conflict is fixed.

Yes we can commit the changes, but it can create a risk of losing data.