

# Introduction to Agile

Team Software Project - COM 6103

# Lesson Outline

- Housekeeping and Updates
- Agile Exercise
  - The Scrum Framework & Terminologies
- Teamwork



# Housekeeping

- Attendance in meetings is compulsory
- Respect for each other - Gender, Ethnicity
- Be professional
- Language to use
- Each member needs to contribute



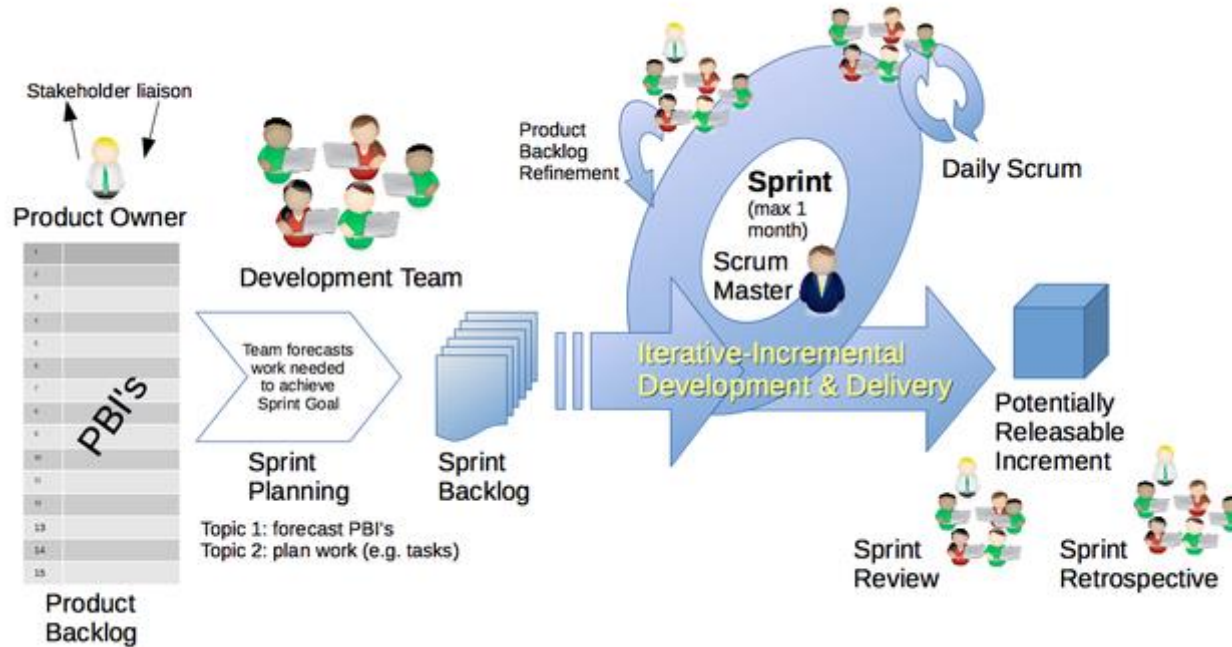
# Updates

- Client & Advisor meeting schedule to be released tomorrow
- Team & Projects Allocation
- Guest speaker in week 3 & 4



# Agile Exercise/Simulation

# The Scrum Framework



# Scrum Terms

## User Stories

- a high-level definition of a requirement or feature from a user perspective
  - As a ..., I want ..., so that ....
  - As a user, I want to be able to login with my staff email, so that I can book my leave

## Product backlog

- A list of every **user story** or feature to complete development of a system or product



# Synopsis

- Assuming your team is a post-it wall art firm
- Sheffield Council has hired your team to create several wall arts in the city (using Google Jam Board)



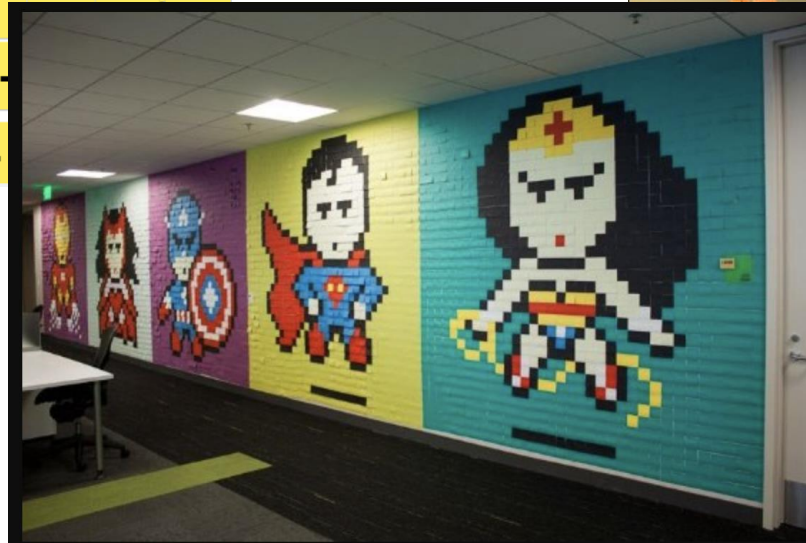
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# Synopsis



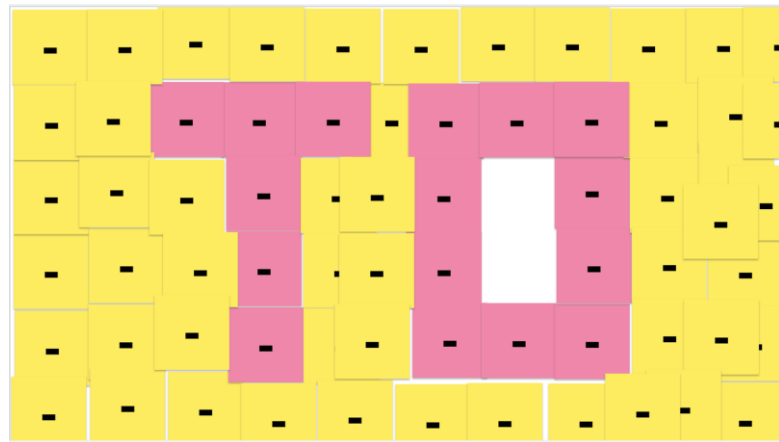
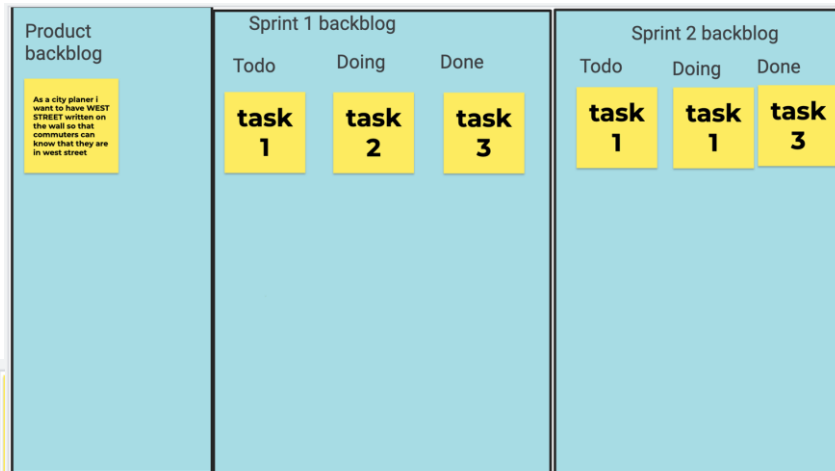
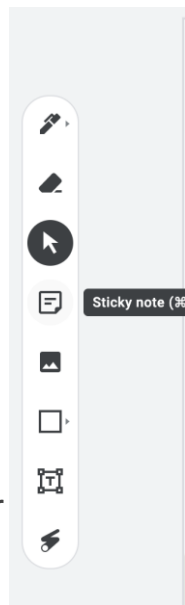
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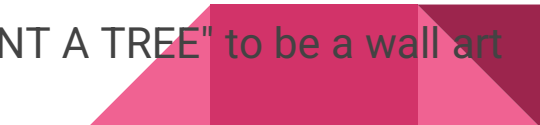
<https://allwork.space/2015/06/boring-office-wall-turned-into-pixel-art-gallery-with-8024-post-it-notes/>

# What you have

- Each Team has two Google Jam boards
  - A planning board
  - A wall art board
- My role
  - Client
- Advisors
  - Silent product owner/ scrum master



# The Requirements

- The safety director has requested for the wall art "Don't Drink & Drive" to be created to remind people not to drink while driving.
  - The climate change officer has requested for the text "GREEN CITY" to be a wall art to remind people that Sheffield is a green city.
  - The new MP would like to write 'SHEFF' on a wall to remind people they are in Sheffield
  - The city planner would like to write STEEL CITY on a wall to remind people that Sheffield is world-renowned for its production of steel.
  - The city planner would like to have a wall art written WEST STREET to help people remember they are in west street.
  - The city architect would like the CITY HALL written on a wall, in the city centre to help people recognise the building.
  - The climate change officer has requested for the text "PLANT A TREE" to be a wall art to remind residents to plant trees.
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# Exercise 1

- Using the requirements provided, create a product backlog
  - This should be in your planning board
- You have 10 mins.



# Scrum Terms

## Sprint

- a time-boxed period during which specific work is completed and made ready for review. In our case this will be **three weeks**

## Sprint Planning

- Sprint Planning initiates the Sprint by laying out the work to be performed for the Sprint.

## Sprint Backlog

- A list of items taken from the product backlog which are to be completed in a sprint.
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# Exercise 2

- Plan for the first sprint, create a sprint backlog
  - This should be in your planning board
- You have 10 mins.



# Scrum Terms

## Sprint

- a time-boxed period during which specific work is completed and made ready for review. In our case this will be **three weeks**



# Exercise 3

- Sprint 1, Create the wall art
  - Complete the tasks/user stories in your sprint 1 backlog
  - This should be in your wall art board
- You have 10 mins.





# Scrum Terms

## Sprint Retrospective

- a meeting to find what activities went well and did not go well.
- It is an opportunity for the team to discuss what activities should be continued or discontinued.



## Exercise 4

- Sprint Retrospective, Discuss what went well and not so well
  - This should be in your planning board
- You have 10 mins.



## Exercise 5

- Sprint 2, Plan for 5 minutes, then Create the wall art
  - Plan for Sprint 2 (planning board)
  - Complete the tasks/user stories in your sprint 2 backlog
- You have 15 mins.





# Teamwork

# Teamwork

Spend the next few minutes to

- Come up with questions for the client
- Convert requirements to user stories and create a product backlog
  - You can use Trello, Asana or other tools.



# Post-Sessional Work

- Complete the Team operating agreement
- Read this article on Estimation -  
<https://www.atlassian.com/agile/project-management/estimation>



# Coming soon

- Lecture on teamworking
- Lecture on requirements gathering
- GitLab access for teams



# Questions



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