

# 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
- Team & Projects Allocation
- Guest speaker in week 3

# Advisor Meeting schedule Week 3 & 4

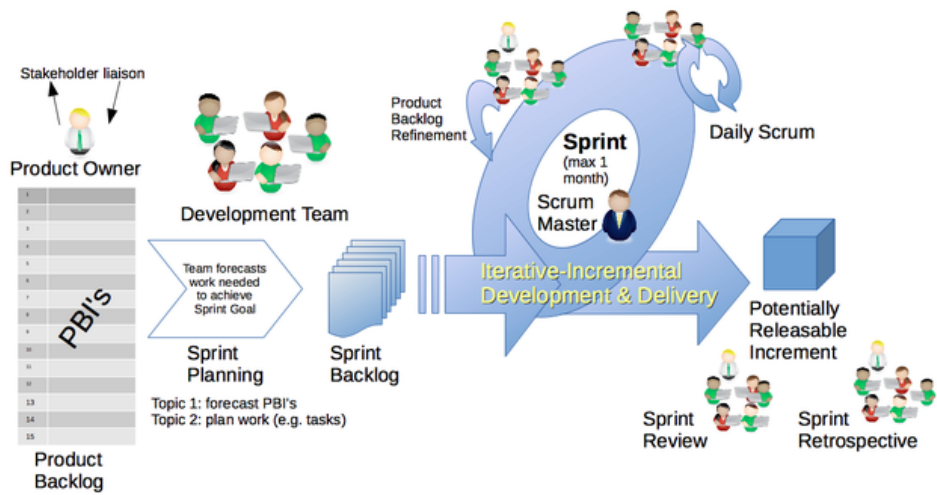
	Week 3 & Week 4		
	Advisor -Sara	Advisor- Owen	Advisor- Tope
11:00-11:30	Guest lecture		
11:30-11:45	Team 11	Team 10	Team 17
11:45-12:00	Team 7	Team 12	Team 5
12:00-12:15	Team 14	Team 8	Team 16
12:15-12:30	Team 1	Team 6	Team 2
12:30-12:45	Team 4	Team 18	Team 9
12:45-1:00	Team 3	Team 15	Team 13

# Client Meeting schedule Week 3 & 4

	Client - Andy	Client - Ola
11:00-11:30	Guest lecture	
11:30-11:50	Project 3 -Solar Offset Team - 6, 18, 15	Project 4 - FarmersMarket Team - 16,2,9
11:50-12:10	-	Project 6 - SpareFoodShare Team - 1, 4,3
12:15-12:35	Project 2 -Recycling eWaste (B2C) Team 13,11,7,14	-
12:35-12:55	Project 1 -eTourism Team - 17,5	Project 5 - FoodforAll Team - 10,12,8

# Agile Exercise/ Simulation

# The Scrum Framework



By Dr Ian Mitchell - Own work, CC BY-SA 4.0, <https://commons.wikimedia.org/w/index.php?curid=44894952>

# Scrum Terms

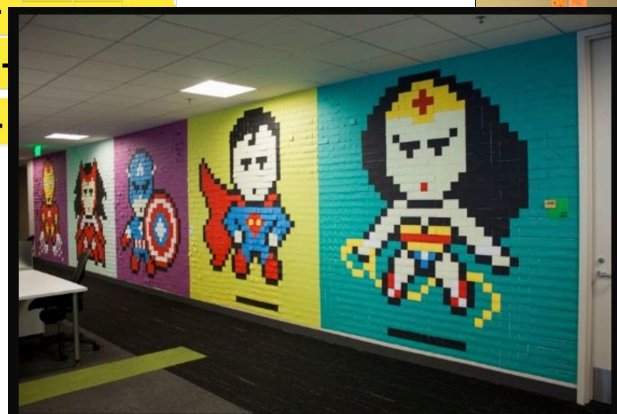
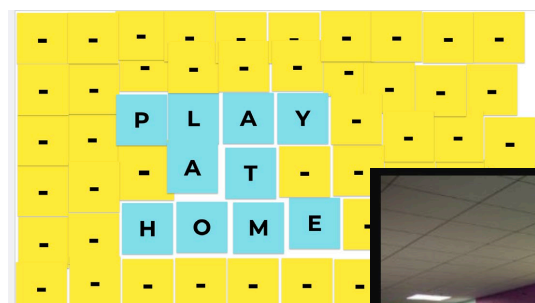
## User Stories

- 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



# 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)

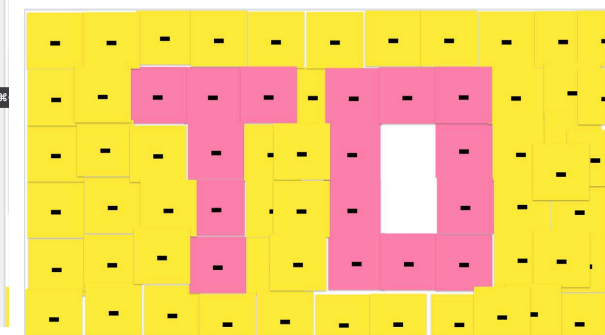


<https://www.flickr.com/photos/zerojay/3238168719/>

# What you have

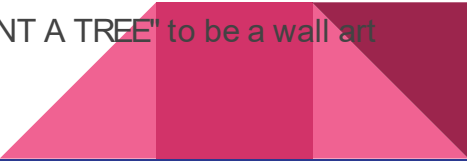
- Each Team has two Google Jam boards
  - A planning board
  - A wall art board
- My role
  - Client
- Advisors
  - Silent product owner/ scrum master

Product backlog	Sprint 1 backlog			Sprint 2 backlog		
	Todo	Doing	Done	Todo	Doing	Done
As a user I want to have WEST STREET written on the wall so that commuters can know that they are in west street	task 1	task 2	task 3	task 1	task 1	task 3



# The Requirements

- The clinical director has requested for the wall art "Stay Safe, stay at Home" to be created to remind people to stay at home during the lockdown.
- 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.



# 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.



# 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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