

## FIT3047

### Business Vision/ Presentation

#### Agile processes

#### Tech beginnings

Week 3



### On the menu this week

a. Watch:

b. Watch:

c. Read:

Participation Quiz next week in Studio

Extra Readings (on moodle)



MONASH  
University

### Roadmap: Where we are

Plan for project



**Project Kickoff**

Discovery workshop

Team understanding and rules

Business understanding

System Overview/ Business Vision

**Project Initiation**

Trello with backlog

Project Governance Portfolio

Tech stack

**Iterate**

Iteration 1 kick off - Top priority backlog items

Iteration 2 kick off - Next top priority backlog items

**Handover**

User Docs

Tech Docs

Handover Package (leverage PGP)

### Housekeeping

- Social outings
- Trello: staying on top of things
- Inclusivity: our online peers
- Business vision Monday 3pm Guidelines where/support/videos/rubrics?
- BTW studio work/ homework will affect your individual marks
- More is not HD  
Doing something clever, beyond our expectations is an HD
- Heads up - For any presentation - You have lovely foreheads but  
Do NOT read monotonously off your screen



## By the end of week 3

You should know/be happy with:

- Team Trello Boards (ready), PGP ready
- Know what you are doing
- Know how iterations work
- Agile and MOSCOW
  - Agile - user stories/acceptance criteria
  - Trello lanes
- And ready to go into iteration 1
- Understand dev architecture and begin looking at Cake

Refer to the Weekly Schedule! Or Moodle!



## Product owners...

"After I told students that I didn't want to make money and attract people, but just manage needs the students still asked me questions about making money, it was though they had a list of questions that they had to ask and didn't listen to what I said"

"I felt more engaged with the ones that looked excited and animated"

"Some of the students asked particularly insightful questions and drilled down to understand my needs and requirements further."

"I was asked what colour scheme I would like"

"Students did not introduce themselves - just went straight into questions"



## So what you are doing - agile philosophy

After your brief "planning", your first interview you will construct:

### Your business vision with priorities

- Show your understanding of requirements (in business vision)
- With top priorities  
(THIS MAY/ WILL CHANGE!)
- Come up with a list of functions/ epics/ user stories from your client - your backlog  
new requirements go on to your backlog



## After your BV presentation - Incorporating Feedback

- Implement feedback from your presentation into business vision report for your mentors (PO reps) to review.
- Make sure your PGP is up to date!

The business vision report is an overview of your client's business and will go to your product owner via your mentors.

This is the first step in achieving your final project.

AGILE - Nothing is set in concrete!



## Time boxes - Priorities

1. Break down into time boxes (user stories or functions).
2. The most important first (MOSCOW)
3. The client will agree and
4. Help you prioritise what is important (the problems)
5. You may have to advise.

Can you quantify potential?

What about prerequisite priorities...

## MoSCoW Analysis

FOR SETTING EFFECTIVE GOALS



## You've done this before! FIT2001

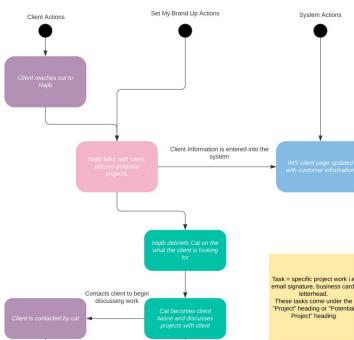
We need to see something like this.

### For example:

User journey mapping  
User story mapping  
Sequence diagrams

Which one? It depends.  
What did you use?

## Set My Brand Up Activity Diagram



## And then... Iteration 1

### You have:

Requirements as Epics in your Trello backlog and your overview report  
Probably 8-10 Epics (higher level), inc really high ones broken down into 2 or 3

(For us Epics are epics/ Ideas/ high level user stories)

### You will:

Indicate the EPIC(s) your client wants first (use MOSCOW)

### You will:

Deliver these user stories/epics in iteration 1. - "waiting lane"

PRIORITY ONE EPICS will be moved there from the backlog and broken down.

(Number them so you can see a hierarchy of where they came from)



## For Your Iteration... SCRUM

A methodology proposed and supported by the Agile Alliance and you will be doing most of this

Consists of (among many other things):

1. **A time-boxed, iterative development approach (a Sprint)** "sprints" short, 2 weeks
2. **Progress Visibility:** Backlog of Requirements new and changed requirements are placed on the list and estimated - then to do, doing, done. Uses whiteboards.
3. **Stand-Ups** Progress checked, difficulties fixed
4. **Continuous delivery** (creating software that is always ready to release)
5. **Retrospectives** (about becoming more effective) - we'll cover this in following weeks...



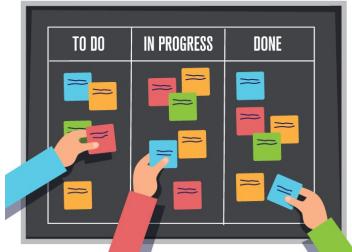
## For each iteration - Use whiteboards (real and virtual - trello) to show:

Column 1 backlog  
then for each iteration

- 5 columns
- Waiting lane
  - To do
  - Doing
  - Done
  - Archive

Other columns - project tasks  
and your mentors may want an extra lane so they know which completed user stories to check.

MUST use this in your stand-ups.  
Communication and progress visible.



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## Your Quiz Question

Which lane is for taking user stories that have complete acceptance criteria, to build from?



## Stand up meetings

Throughout... (using your Trello Board)

**Daily(?) stand up meetings** to monitor and disseminate information

What I have done since the last stand-up, what I am going to do before the next stand-up, Problems stopping me - blockers- (to take away to solve)



## Continuous Delivery

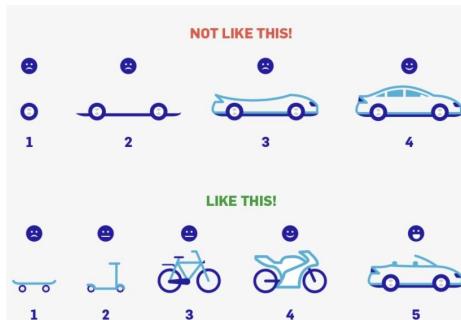
At the end of each iteration, the work should be ideally shippable.

Which means...

Ready to hand to your product owner to show their client and to use with their customers.



## Iterative Development



## Iterations consists of

- Report, plus presentation
- Build so far - show throughout iteration
- Systems test by you when build complete
- Integrity testing when build complete (acceptance testing on steroids)
- Retrospective -
  - fixed system shown (again!) to product owners (equiv. acceptance test)
- Go LIVE, if PO doesn't want changes.
- PIR

Trello, Project Governance portfolio, graded throughout the iteration



So, your iteration starts and priority areas are accepted by PO...



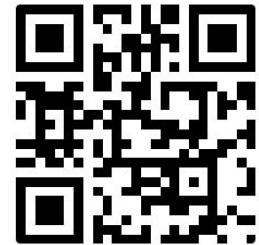
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FLUX time!

Use user stories - why?

To participate, go to

[flux.qa/3CAKSW](http://flux.qa/3CAKSW)



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## You will need Epics and User stories Why user stories?

As a <type of user>, I want to <do something>,

so that <some value is created>.

- Which users the story will benefit (who it is for)
- A brief description of the desired functionality (what needs to be built)
- The reason the this story is valuable (why we should do it)

Then

- An estimate as to how much work the story requires to implement
- Acceptance criteria that will help us know when it has been implemented correctly

Type of user = Persona

## Acceptance criteria

- Use the Given/ When/ Then template
- Helps you reduce the time spent on writing test cases since you describe the system's behaviour upfront.
- We prefer writing acceptance criteria with the first-person "I"
- Since it helps us talk from a user's perspective and keep a user's needs in mind.

<https://rubygarage.org/blog/clear-acceptance-criteria-and-why-it's-important>



## Acceptance criteria



## User Story Structure... A reminder

As a website user

I want to able to submit feedback

So that the website owners can

Consider my opinion or concern during future website updates



## Acceptance criteria could be: User submits feedback form with the valid data

1. "Given I'm in a role of logged-in or guest user
2. **When** I open the Feedback page
3. **Then** the system shows me the Submit Feedback form containing "Email", "Name" and "Comment" fields which are required
4. **When** I fill in the "Email" field with a valid email address
5. And I fill in the "Name" field with my name
6. And I fill in the "Comment" field with my comment
7. And I click the "Submit Feedback" button
8. **Then** the system submits my feedback
9. And the system shows the "You've successfully submitted your feedback" flash message
10. And the system clears the fields of the Submit Feedback form"

## An example on TRELLO

As a staff user, I need the ability to invite members to the site in list **In Progress**

Acceptance Criteria

0%

there is an input box in the navbar for all staff users that takes an email address

hitting "invite" button or typing "enter" after entering an email address should do the invite without taking me to another page

i should get a confirmation message somewhere on whatever page i am on that the invite was sent by the server

Add

Delete...

Edit the description...

Action

## Acceptance criteria - might be a list of stuff

- What will the screen look like?
- Where do you access it? Button Link where? Each page or just admin page?
- Login How?
- Name / First Name / Last Name both / Phone number email address?
- Password – use enter or do you generation
- Any Validation? Forgotten password
- Reset Password- how
- Login successful now what? Login unsuccessful now what?
- Welcome Message? Error message? New Screen?

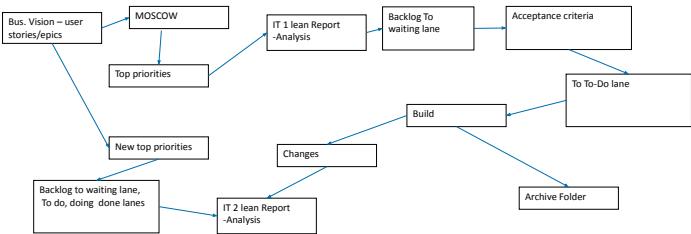


## So TRELLO and user stories and acceptance criteria

1. User stories - WAITING LANE with well understood acceptance criteria in the TO DO lane
2. Take the task - DOING LANE, 1 person 2-4 hours work
  - a. These criteria are generally defined with you by the product owner (the client) in this case your mentors will help and are required to be satisfied in order to accept the card (move it to done)
  - b. They must be written so that you can see if that user story is done, so not vague or meaningless.

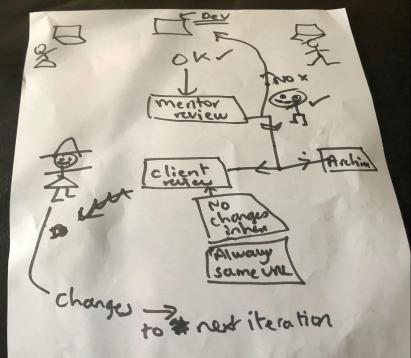


## How iterations work for FIT3047. 2 iterations



## Your Dev Architecture

Cake php resources are available.



## You can do this (Together)!

