CS353 Team Project

Week 12

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Plan

week	date	content
3	15/09/2021	Introduction
4	22/09/2021	Scrum, team allocation, initial introductions
5	29/09/2021	Supervisor allocation, project decision , Special Projects
6	06/10/2021	Project sign off, Sprint 1, Week 1. Sprint Planning
7	13/10/2021	Sprint 1, Week 2
8	20/10/2021	Sprint 1, Week 3. Sprint Review, Sprint Retrospective
9	27/10/2021	Sprint 2, Week 1. Sprint Planning
10	03/11/2021	Sprint 2, Week 2
11	10/11/2021	Sprint 2, Week 3. Sprint Review, Sprint Retrospective
12	17/11/2021	Sprint 3, Week 1. Sprint Planning
13	24/11/2021	Sprint 3, Week 2
14	01/12/2021	Sprint 3, Week 3. Sprint Review, Sprint Retrospective
15	08/12/2021	Sprint 4, Week 1. Sprint Planning
16	15/12/2021	Sprint 4, Week 2
17	22/12/2021	Sprint 4, Week 3. Sprint Review, Sprint Retrospective
18	29/12/2021	Wrap up, submission deadline ?

Presentation Q&A

Sprint 4. Test Driven Development, Version control, Documentation

Sprint 3. Story Maps, Testing Testing Testing

Sprint 2. User Stories and how they influence development. Task estimation. Burndown Charts

Sprint 1. What is the project, who is the team, what has been done similar, what is Agile/Scrum, what is a first simple approach.

User-Story Map: Mobile App Feature for Depositing Checks

1. Activities:

High-level tasks users can do in the digital product

2. Steps:

Steps users go through to complete the activity above

3. Details:

Granular, discrete interactions to complete the step above

Check account balance		Deposit a check				
Log in	Access accounts	Enter mobile deposit details	Sign check	Photograph check	Submit deposit	Confirm deposit
Enter username or email	View account balances	Choose account	Read tips for taking check photos	Enable camera access	Confirm deposit	View confirmation messaage
Enter password	See pending transactions	Enter deposit amount		Turn phone horizontal	Understand amount available	Receive email confirmation
Press login button	Open new account	View transaction limits		Take photo of front & back	Cancel deposit	

Initiate forgot password	See legal disclosures	Send check to bank via drone			Autofill numbers	Get instant access to all funds	View deposit in past deposits
Toggle remember me	Get savings advice	View past deposits			Review error messages		Receive text message

https://www.nngroup.com/articles/user-story-mapping/

Testing

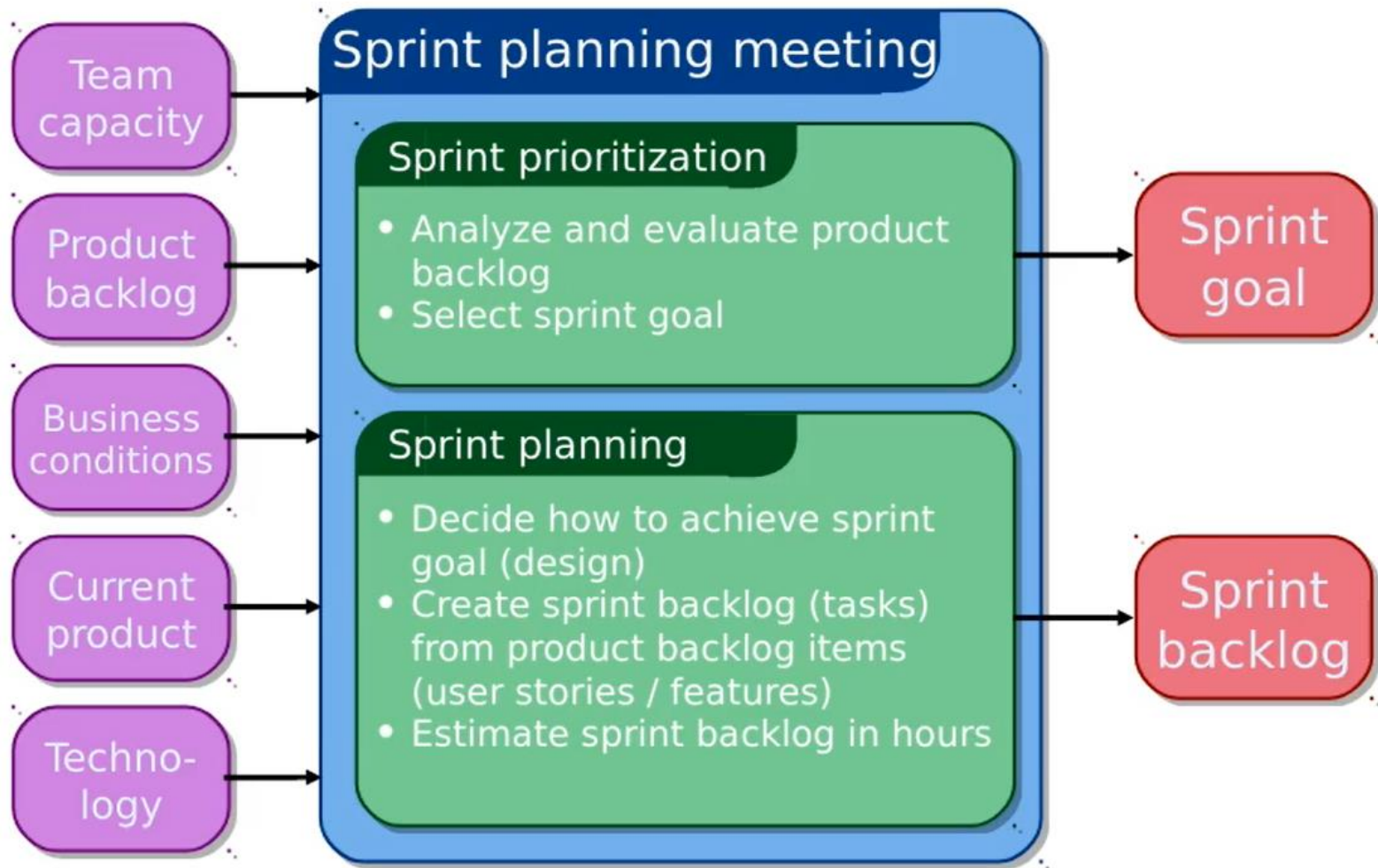Nominate a 'Lead Test'

This person investigates

Unit testing -units (or functions) tested in isolation. Eg. Junit

Sanity testing. –Test the software to see if it behaves sensibley

Integration testing. Evaluate how well different layers of software interact. Is correct data being passed, is it secure, does it remember the right things

Acceptance testing. Test with typical users to see if it meets their needs

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Sprint planning meeting

Inputs (left):
- Team capacity
- Product backlog
- Business conditions
- Current product
- Technology

Sprint prioritization
- Analyze and evaluate product backlog
- Select sprint goal

Sprint planning
- Decide how to achieve sprint goal (design)
- Create sprint backlog (tasks) from product backlog items (user stories / features)
- Estimate sprint backlog in hours

Outputs (right):
- Sprint goal
- Sprint backlog

Sprint planning

- Team selects items from the product backlog they can commit to completing

- Sprint backlog is created

  - Tasks are identified and each is estimated (1-16 hours)

  - Collaboratively, not done alone by the ScrumMaster

As a vacation planner, I want to see photos of the hotels.

Code the middle tier (8 hours)
Code the user interface (4)
Write test fixtures (4)
Code the foo class (6)
Update performance tests (4)

Today

1. Think about any new user stories and user maps
2. Investigate formal testing
3. Prepare for Sprint Planning meeting
4. Carry out ASSESSED sprint planning meeting
5. Have Sprint planning meeting **(arrange with a supervisor)**
   1. Discuss outcomes from sprint review and retrospective
   2. Analyse product backlog
   3. Decide sprint goal and how to achieve it
   4. Estimate hours for new tasks, including TESTING
   5. Create Sprint Backlog
   6. Estimate sprint backlog in hours