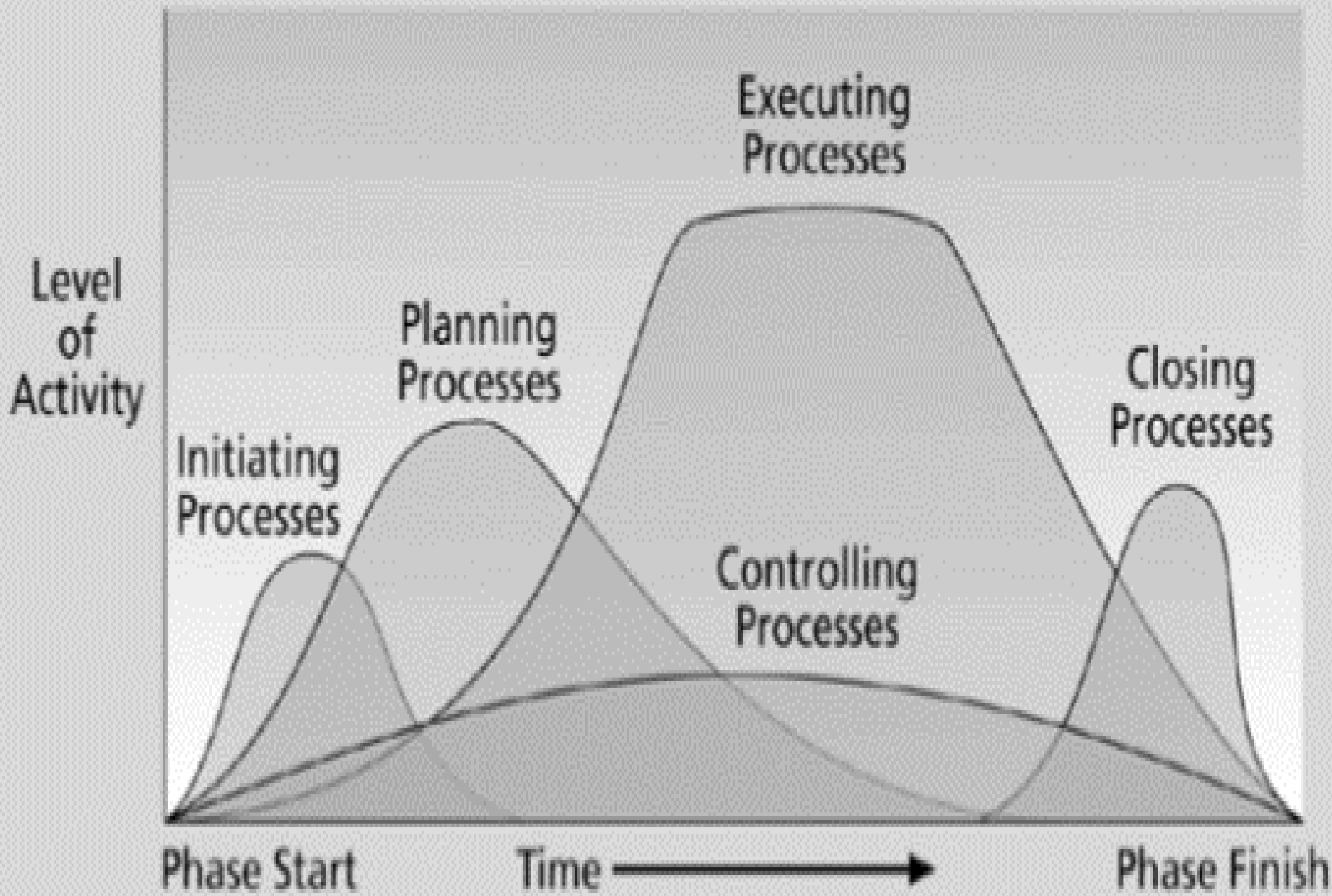


Project Management

Week 3: Scrum Planning and Risk

Quick Recap



Project Initiation

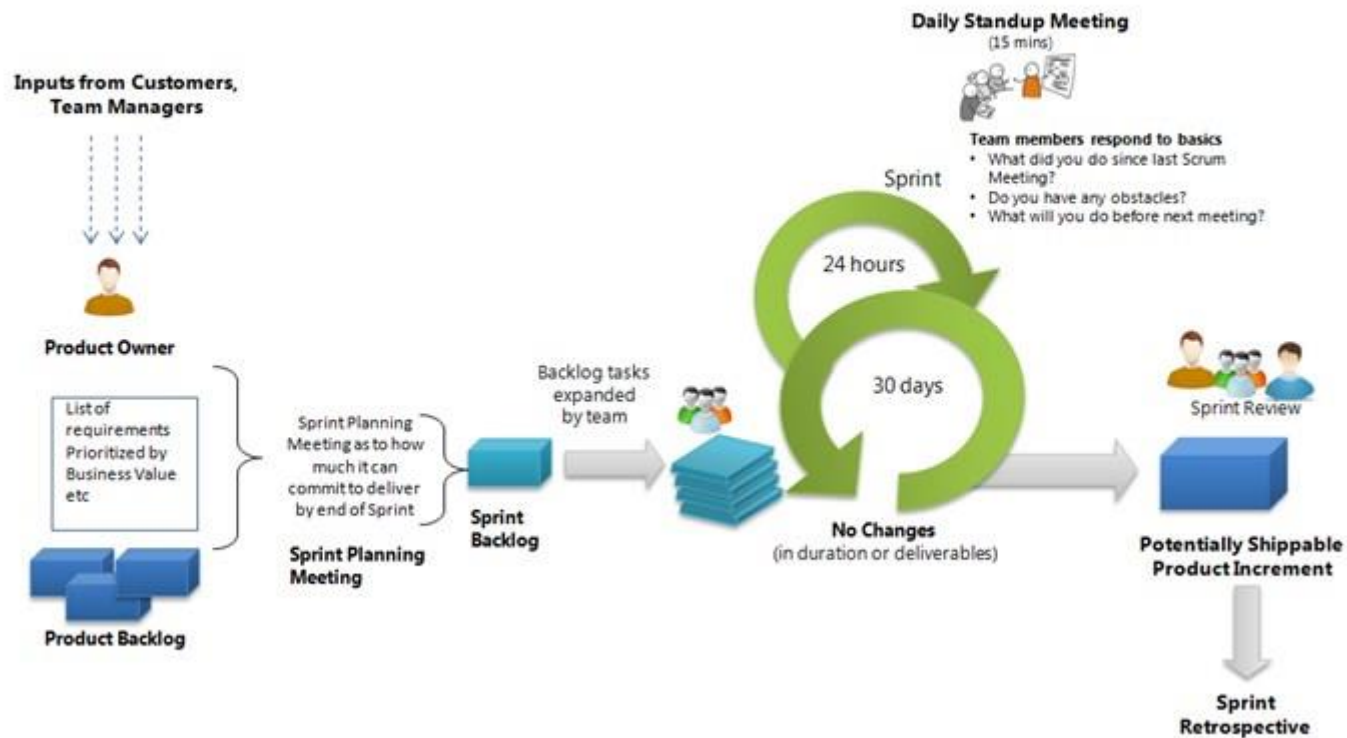
- Project Charter
- Team Contract
- Skills Audit
- + Any initial research

Project Planning

- User stories
 - Related tasks and acceptance criteria
- Story points – this week
- Sprint planning – this week
- Risk Register – this week
- Work in Progress in week 5 will soon be coming into view

Scrum in a Nutshell

Agile Scrum Methodology



User Story Template

- As a [user role] I want to [goal] so I can [reason]
- As a [type of user] I want to [perform some task] so that I can [reach some goal]

Example:

- As a registered user I want to log in so I can access subscriber-only content

Related Tasks

- Break down your user story into related tasks
 - Potentially some background research
 - Potentially some technical experimentation
 - Design
 - Coding
 - DB
 - Etc.

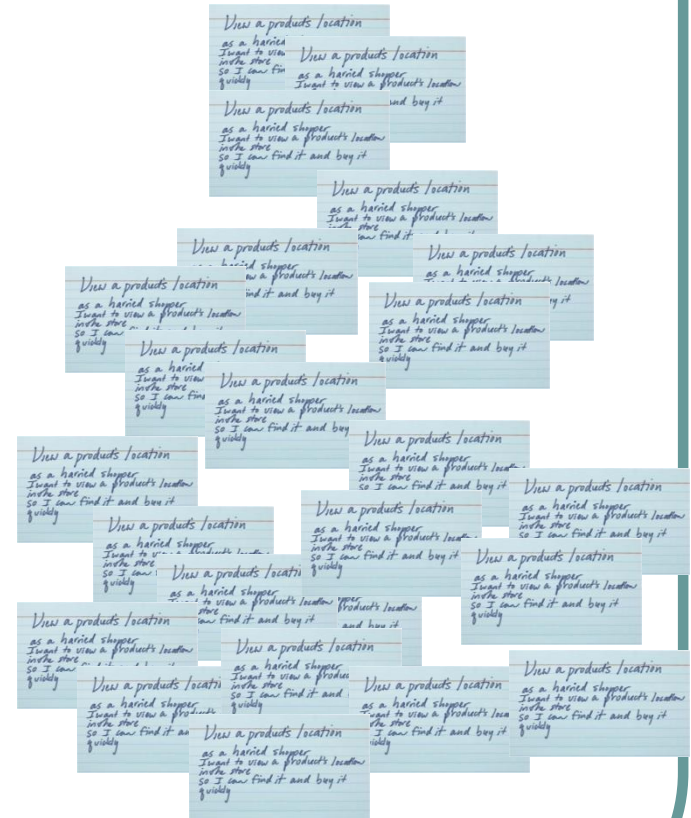
Acceptance Criteria

- Given that I want to see all events during a particular time period
- When I select dates from a calendar
- Then I see events between these dates displayed in chronological order
- And I am offered a quick link to display previous or next week

Switch to Taiga
User Stories
Related Tasks
Acceptance Criteria

Prioritize stories in a backlog

- Agile customers or product owner prioritize stories in a backlog



User Story Mapping – 1

- User Story Mapping is an approach to **Organize** *and* **Prioritize** user stories
 - make the workflow visible
 - show the **relationships** of larger stories to their child stories
 - help confirm the **completeness** of your backlog

User Story Mapping – 2

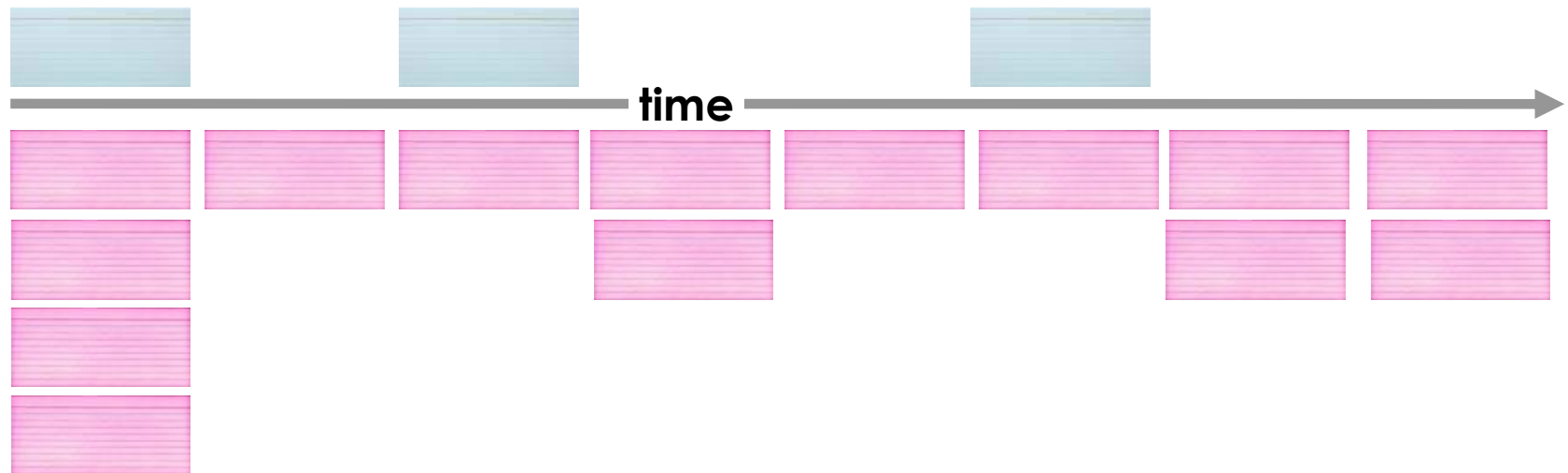
Spatial arrangement:

- By arranging story cards spatially, we can identify bigger stories
- Arrange activities left to right in the order you'd explain them to someone when asked the question: "What do people do with this system?"



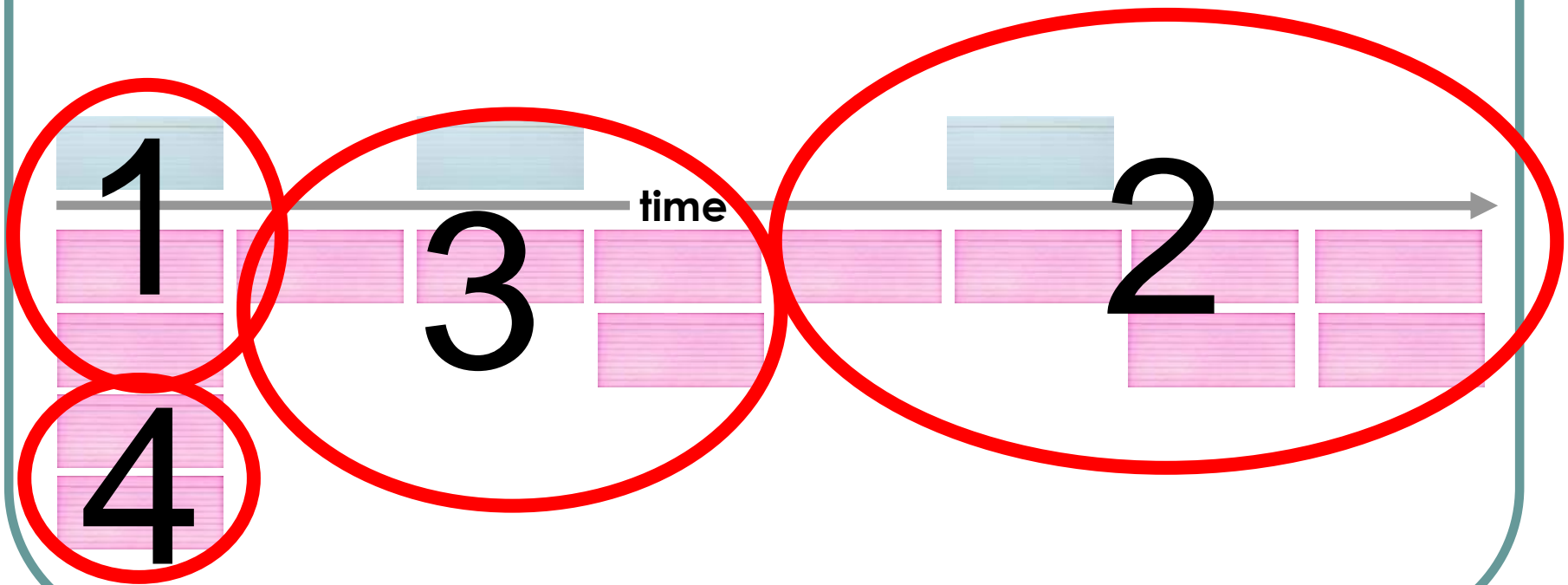
User Story Mapping – 3

- Overlap user tasks vertically where there is a relationship e.g child/parent/sibling



User Story Mapping – 4

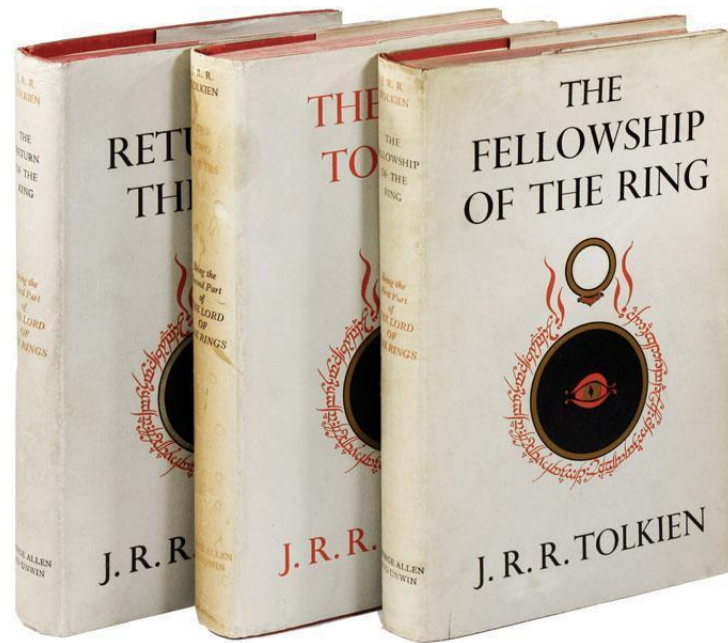
- Pick clusters to allocate to sprints.
- Apply MoSCoW?
 - Complete the M early, leave the C to the end



Estimating Effort Story Points

How long will it take...

- ...to read a Tolkien book?
- ...to drive to London?



Story points

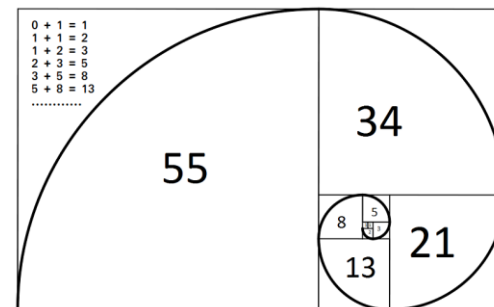
- The “bigness” of a task
 - Influenced by
 - How hard it is
 - How much of it there is
- Points are unit-less. But
- We can map to hours or days

Story Points



- Most popular in Agile

- Fibonacci (0,1,2,3,5,8,13,21,34,55,89,...)
- Modified Fibonacci (0, 1/2, 1,3,5, 8, 13, 20, 40, 100)
- T -shirts



How do we estimate?



- Planning poker

- Steps:

- Each estimator has a deck of cards with estimates on them
- A story is read and discussed briefly
- Each estimator selects a card that represents his/her estimates
- Cards are turned over so that everyone can see them
- Discuss the differences
- Re-estimate if necessary

Planning poker—an example



Estimator	Round 1	Round 2
Erik	3	5
Martine	8	5
Inga	2	5
Tor	5	8

Switch to Taiga
Story Points

Burn Down Chart

SPRINT 07 3 MAR 2015-13 MAR 2015



100%

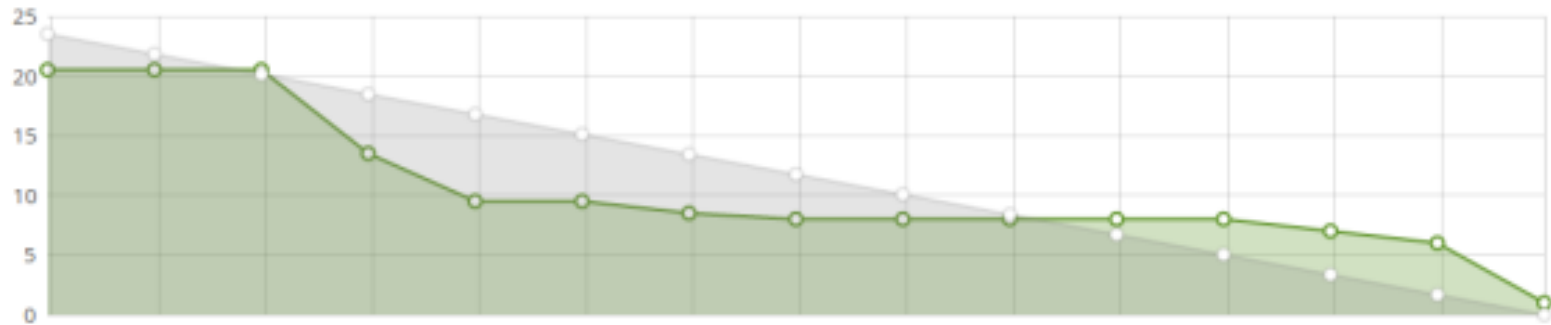
23.5 total points

23.5 completed points

0 open tasks

35 closed tasks

0 locale doses



Velocity

- Expect to get first sprint wrong
 - Part way through re-assess
 - Add more user stories or remove user stories as appropriate

Get that first sprint going

...and think about risks

Placement year.....It's NOT too late

Wednesday 26th February

Time: 12 pm - 1pm

Location: Cavendish Hall 220

- Computing and Engineering Placement Session
- Come along and find out about the opportunities available
- Chat with members of the placement team
- Get your questions answered and placement journey started

Risk – The possibility of loss or injury

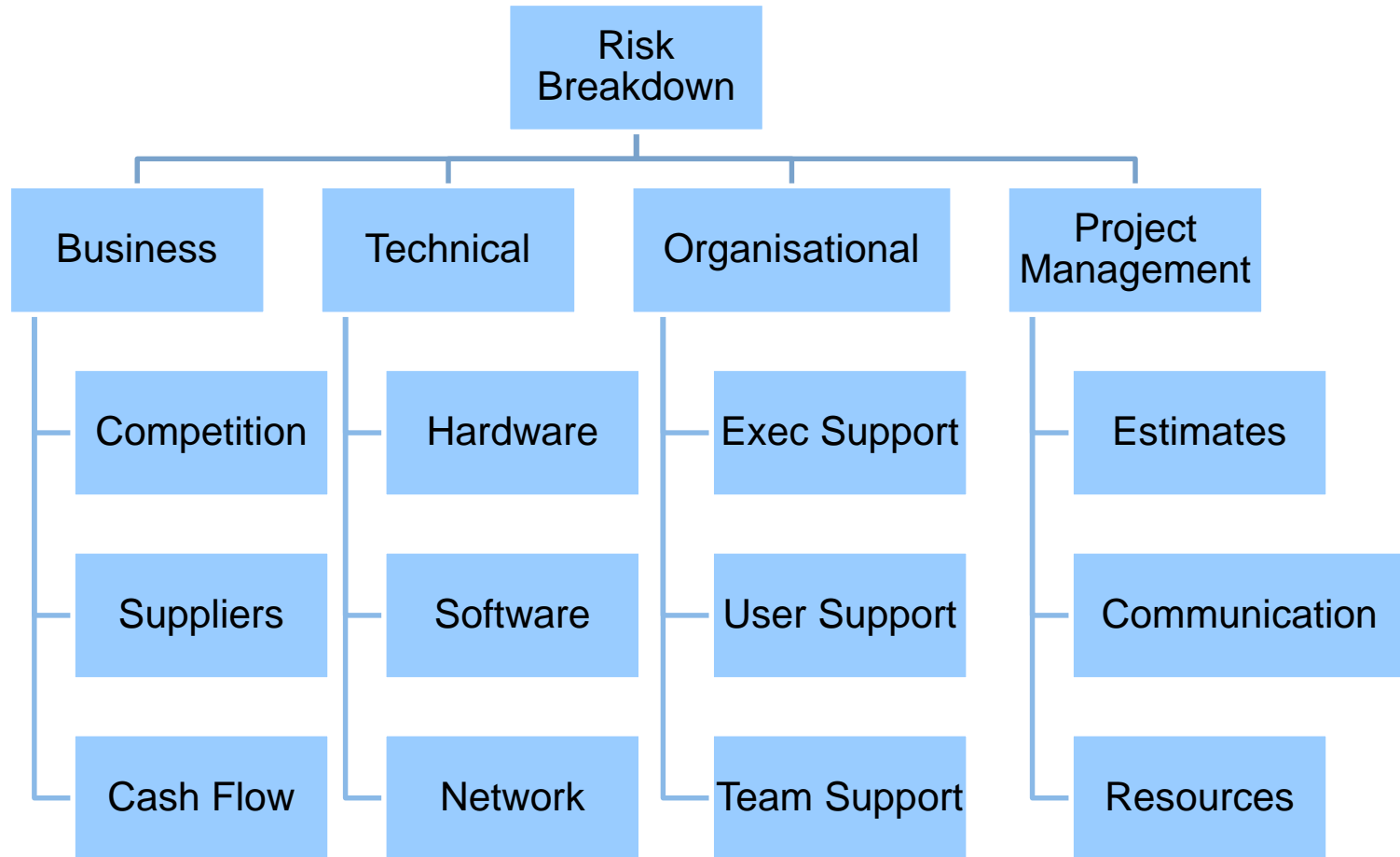
Risk – An uncertain event or condition, that if it occurs has an effect on one or more project objectives

Risk Management— Identifying,
analysing and responding to risk

Basic Management Skills



Risk Identification



Risk Identification



- Past Experience
- Brainstorming
- Interviews
- SWIFT/Delphi etc.

Ranking and Prevention

- Risk Register

- List your risk
 - Business/technical/organisational/PM
- Assess the likelihood and impact
- Identify control measures
- Identify contingency plans
- Classify risk
 - High/Medium/Low (don't tolerate, manage, tolerate)

Use the template
provided

[illegible]