Sprint 1 Review

Project Code Defenders - Robo Tournament
Team Codebenders
Sprint retrospective

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Agenda

- Our Team
- Our way of working
  - Frameworks and technologies for development
  - Development and Testing workflow
- Progress with documents
  - Requirements Definition
  - Design Description
- Overall progress review
  - Sprint burndown chart
  - Competence matrix
- Sprint 1 verdict
- Sprint 1 retrospective

Our Team

Frontend

Product Owner
Fanny Delnondedieu

Fabio Patella

Testers

Scrum Master
Dominik Brdar

Hrvoje Rom

Backend
Simone Mezzaro

Riccardo Nava

Andrea Restelli

No new changes in our team

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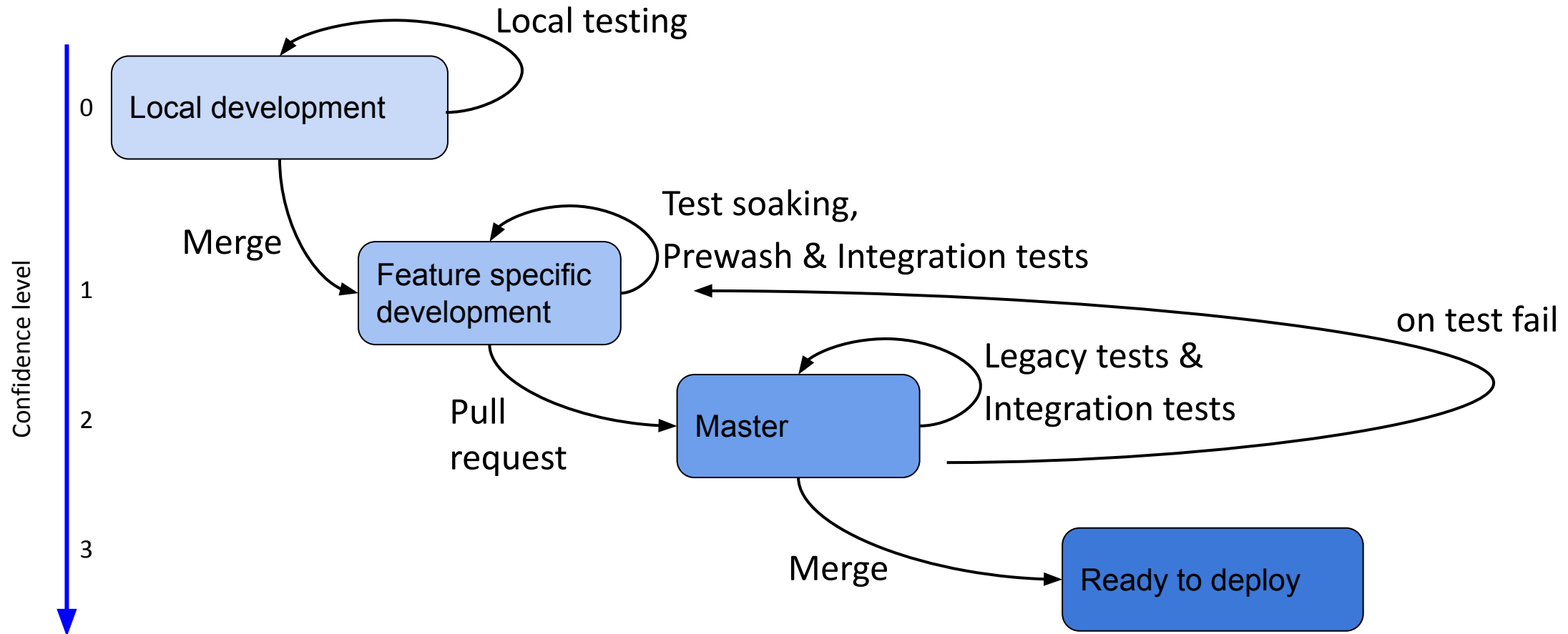Mälardalen University
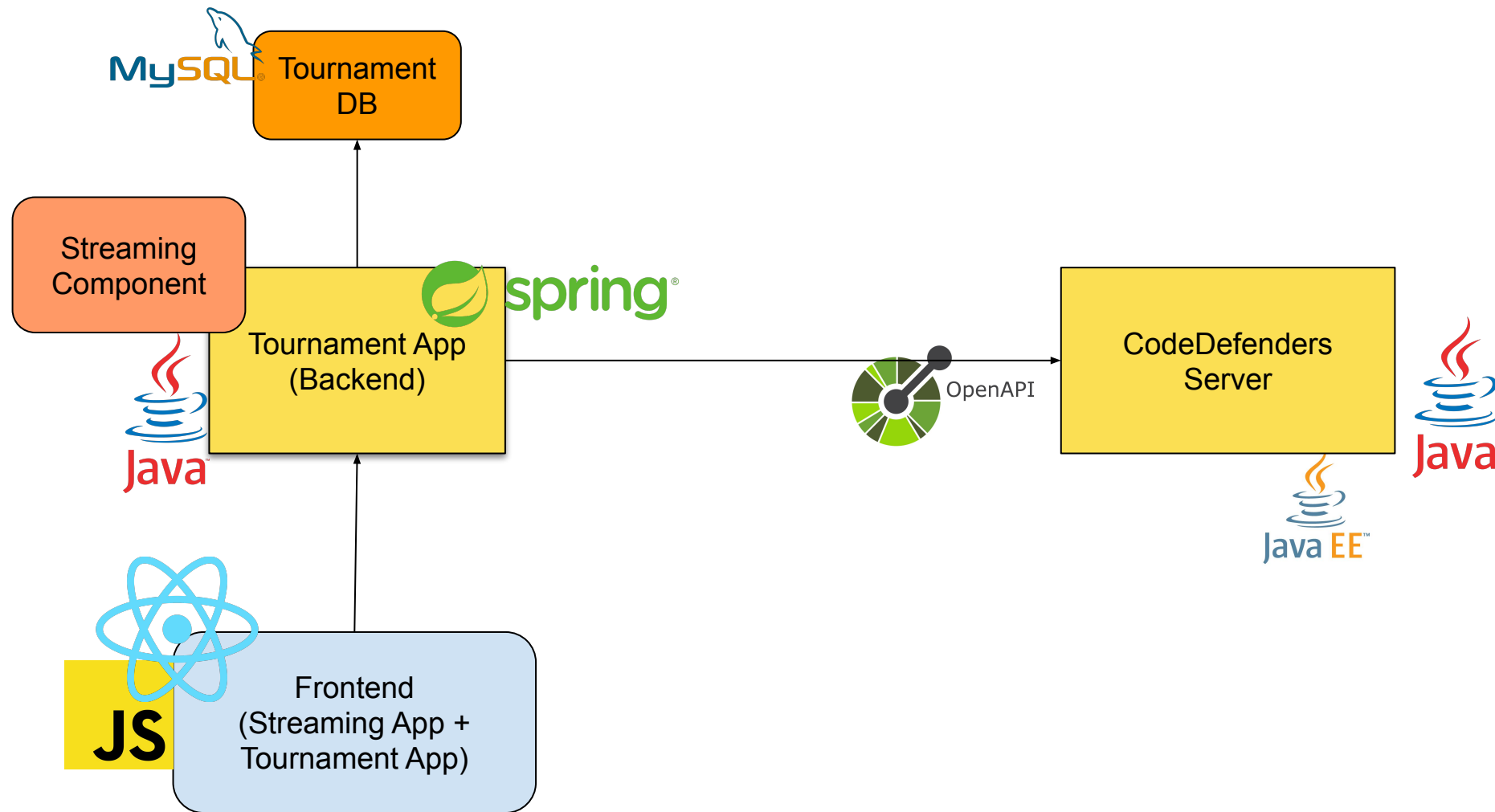
Our way of working

Team's focus points

- Agile development
  - Having good communication with customer
  - Using SCRUM and Jira tool

- Competence buildup
  - Working together

- Test strategy
  - Analyse requirements and do testing for all use cases
  - Continuous integration, automated tests

=> Quality assurance (0 Trouble Reports to customer)

Development and Testing workflow

Confidence level

0   Local development

Local testing

Merge

1   Feature specific development

Test soaking,
Prewash & Integration tests

on test fail

2   Master

Pull request

Legacy tests &
Integration tests

Merge

3   Ready to deploy
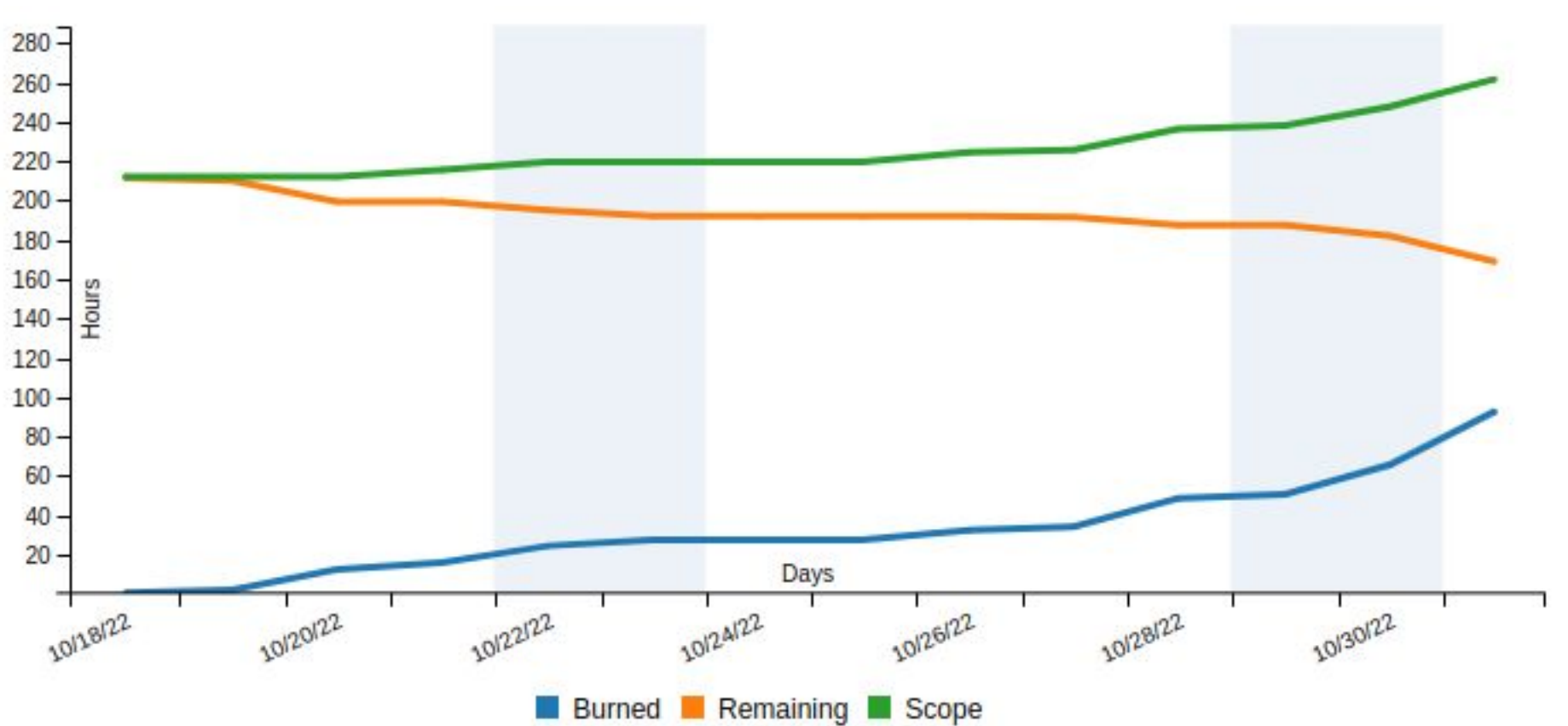
Frameworks and technologies for development

Requirements definition

- We analyzed functional and non-functional requirements
- Described user stories
- Created use case and sequence diagrams to show dependencies and event flow
- Final checks and edits are needed before releasing version 1 of the document

Design description

- Revised project vision and plan
- Discussed and defined system overview
- Started to work on software architecture
  - addressing requirements from user stories
  - started to work on documentation for bot APIs
- Designed database
- Created Mock-ups of all needed User Interface
- Final checks and edits are needed before releasing version 1 of the document

Sprint 1 burndown chart

Project scope actually did not rise in our sprint, and remaining time should be symmetrical to burned time

- Time effort needs to be estimated for subtasks and not for parent task
- Work needs to be logged only on subtasks

Competence matrix

Name of the team member	Communication skills	Programming	Writing documentation	Agile process
Fanny	8	6	6	8
Dominik	7	6	6->6.5	8
Hrvoje	6	4	8	2
Andrea	8	6	6	2->3
Fabio	6	8	6	2
Riccardo	4	8	6->7	2
Simone	4	8	6	2

* skills are ranked 0-10 (0 meaning no skill at all, and 10 meaning excellent)

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Sprint 1 Verdict

We chose technologies and frameworks for development
Started to set up workspace for development

Defined Development and Testing workflow

Did most of work for first versions of Requirements Definition and Design Description documents

We agree that Sprint 1 was successful

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Sprint 1 retrospective

What worked well?

What could be improved?

What will we commit to doing in the next Sprint?

Scrum Team members make actionable commitments

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What worked well?

- We managed to almost finish Requirements Definition and Design Description documentation as we planned to at the beginning of the sprint.
- Giving feedbacks as comments on shared documents proved to be effective.
- Meetings organisation was on point (we respected the schedule and always went through all the necessary things to discuss).
- Sharing our opinions on the design gave us a wide choice of options to choose from and the pros and cons of each.
- We manage to understand the project ourselves without asking the customer a lot.
- Team seems really committed and we have good cooperation among team members
  - Can't wait to start developing with this team.
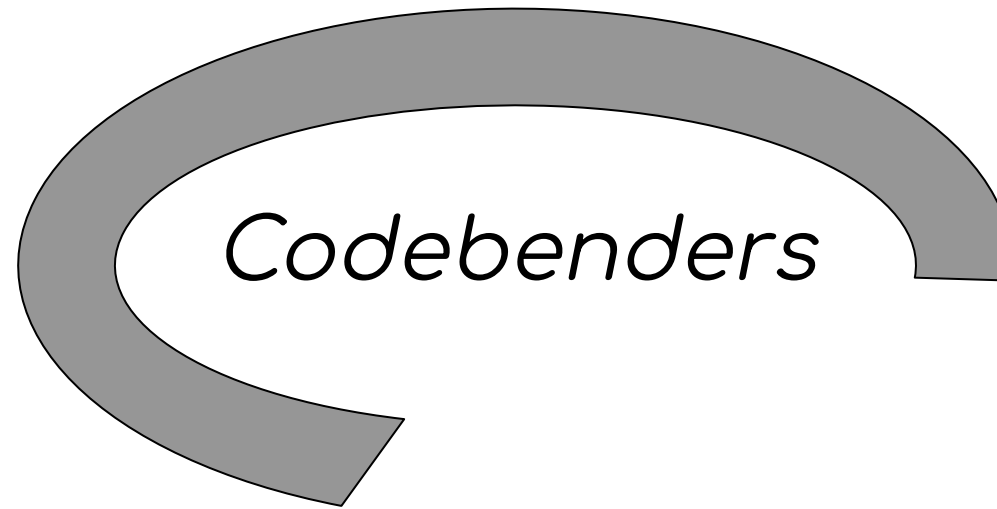
What can be improved

- Ask and give feedbacks on things we do
  - Sometimes giving feedbacks becomes difficult if you have never worked on something.
  - Maybe plan a meeting or time to work on specific subject in small groups
  - Having a document for each topic with short description of what has been done and where feedbacks are needed can be useful.
- Initial organisation for the tasks should be more precise
  - We need to divide the tasks in subtasks as small as possible and find a way to clearly identify who will work on what.
  - Tasks and subtasks in Jira should have links (is dependant on / blocking …)
  - Time effort needs to be estimated for subtasks rather than parent task
- Personal time management and starting work late or before meeting should be corrected
- Be more in contact with the supervisors.
- Dominik sometimes felt overwhelmed with his role of scrum master and should work more on communication skills
- Anyway we think we already improved in the last week.

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What will we commit to for the next sprint?

- Divide the tasks in subtasks as small as possible and clearly find a way to identify who will work on what.
  - Do more analysis of each user story before starting to work on it
- Write documentation for each topic with short description of what has been done and where feedbacks are needed.
- Be more in contact with the supervisors.

Thank you all for attending

Questions?

Codebenders

contact info:

fanny.delnondedieu@fer.hr
dominik.brdar@fer.hr

hrvoje.rom@fer.hr

simone.mezzaro@mail.polimi.it

fabio.patella@mail.polimi.it

andrea2.restelli@mail.polimi.it