



SCRUM Process

Scientific Programmable Calculator

Pre-game phase



User Stories

38 **User Stories** have been defined together with their acceptance criteria for a total of **120 storypoints**.



Conventions

We decided to develop the software in **Java**, using the **JavaFX** framework.



Architecture

The **model view controller** architectural pattern has been used.



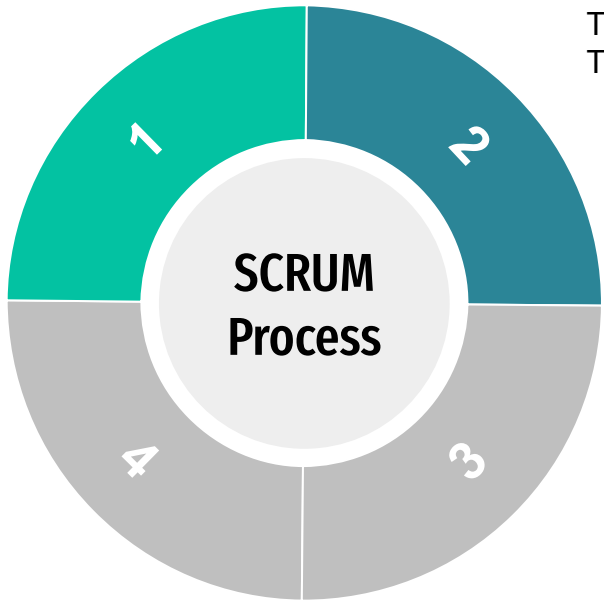
Tools

Setup of used tools (**Trello**, **GitHub** and **Netbeans**)

First Sprint

Sprint Velocity

The Sprint Velocity **estimated** was 18 story points (exactly **13** User Stories).
The **completed** story points were 18.



Tasks completed

We were able to complete all the estimated User Stories. Then, we started to work on others.

Sprint retrospective

Stop doing

- Start working on new tasks before finishing the current ones

Less of

- Individual decisions without talking to each other

Keep doing

- Distribute activities among team members
- Work planning

More of

- Communication among team members
- Time organization
- Individual work
- Using tools

Second Sprint

Sprint Velocity

The Sprint Velocity **estimated** was 28 story points (a total of **5** User Stories).

The **completed** story points were 38.

Sprint retrospective

Less of

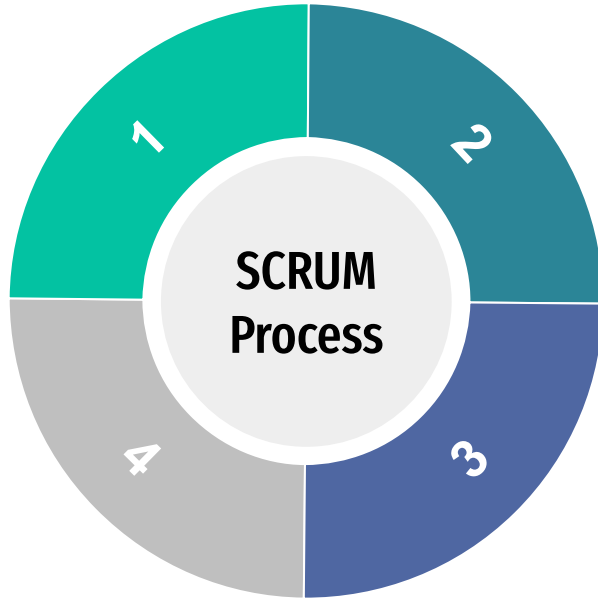
- Individual decisions without talking to each other

More of

- Communication among team members
 - Time organization
- Individual work

Keep doing

- Using tools
- Work planning
- Distribute activities among team members



Third Sprint

Sprint Velocity

The Sprint Velocity **estimated** was 41 story points (a total of **8** User Stories).

The **completed** story points were 41.

Sprint retrospective

Less of

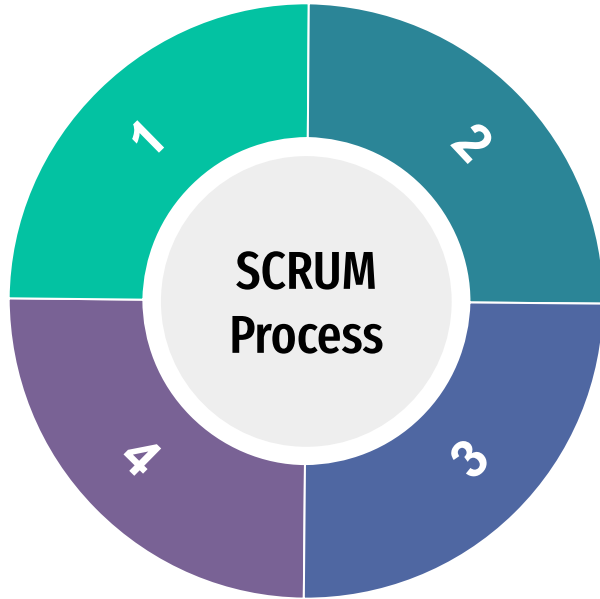
- Individual decisions without talking to each other

More of

- Communication among team members
- Time organization

Keep doing

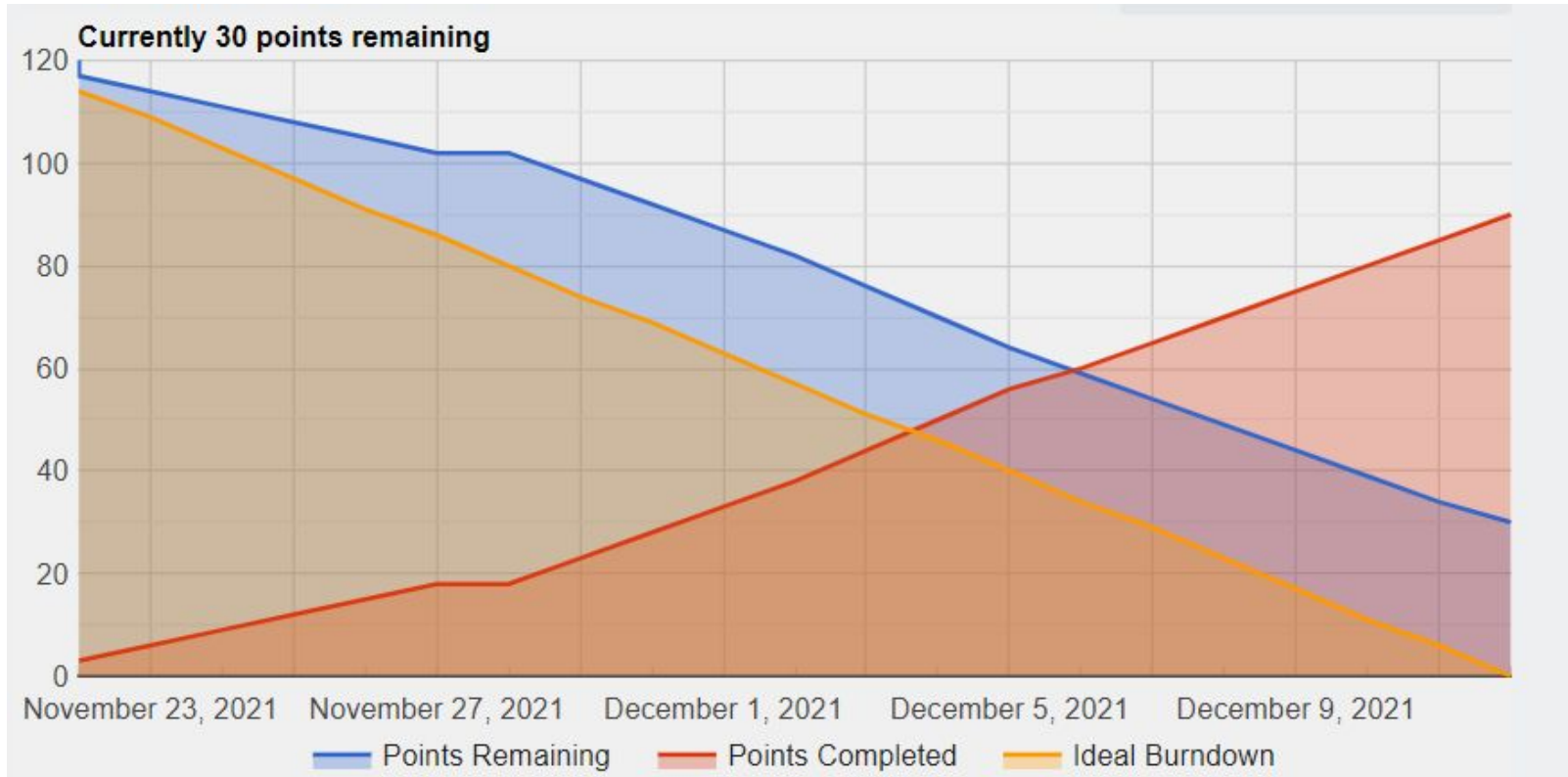
- Using tools
- Work planning
- Distribute activities among team members
- Individual work



Tasks completed

The team was able to **complete the planned storypoints** in time. However, a **technical debt** has been identified regarding one of the implemented functionalities (modification of user operations that contain other user operations).

Burndown Chart





Thanks for your time!