



RIDERTRACK

Sprint 5 Report

Version: 1.0.0

24th November - 8th December 2017

Index

Index	2
Revision History	3
1. Sprint planning	4
1.1 Product backlog	4
1.2 Sprint backlog	4
1.3 Team members availability	6
1.4 Sprint goals	6
1.5 Sprint planning MOM	6
2. Sprint execution	7
2.1 Sprint burndown chart	7
2.2 Working hours	7
2.3 Summary of work done	8
3. Sprint analysis	10

Revision History

Date	Version	Description	Responsible
24/11/2017	0.1	Sprint planning	Mariano Etchart
from 24/11/2017 to 7/12/2017	0.x	Daily updates from team's members	Team
8/12/2017	1.0	Sprint review and retrospective	Mariano Etchart

1. Sprint planning

1.1 Product backlog

Refer to PB v1.4 for the product backlog version before the sprint 5 planning.

1.2 Sprint backlog

The initial sprint backlog is accessible at: Sprint 5 initial backlog

The final sprint backlog is accessible at: Sprint 5 final backlog

1.3 Team members availability

<i>Member</i>	<i>Estimated hours</i>
Alessandro	55
Giulia	40
Marzia	40
Mariano	40
Ante	40
Ivan	40
Josip	40

1.4 Sprint goals

High level goals for the sprint:

- Fix bugs from previous sprint
- Improve the event creation and management adding the possibility to define route of the event, tracking devices allowed and to start and stop the tracking
- Create the mobile application to collect data from users
- First version of real time progress of the event

1.5 Sprint planning MOM

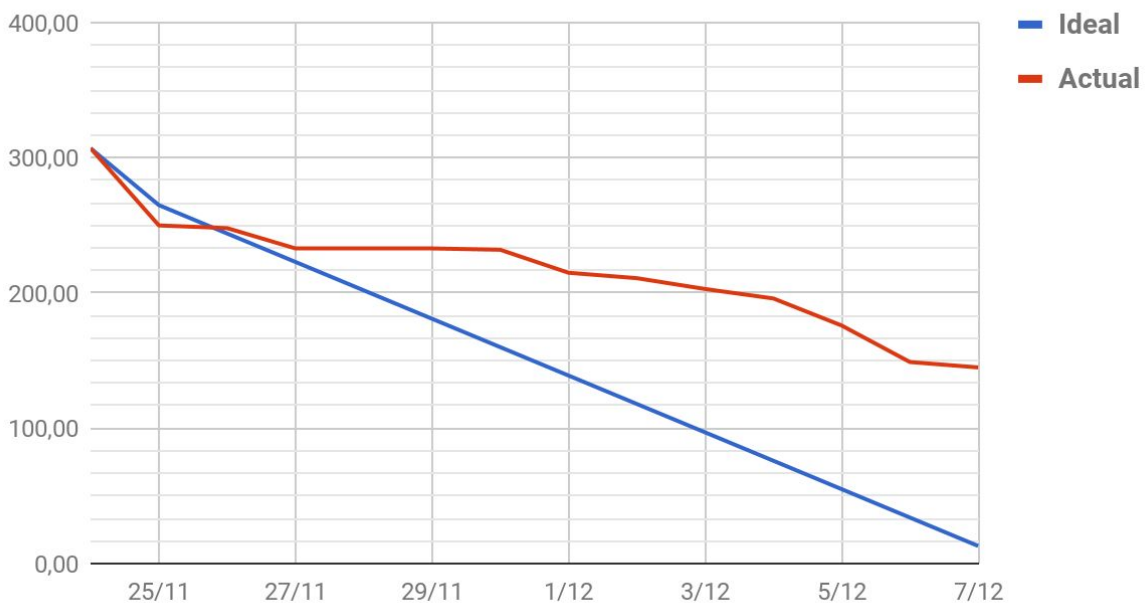
A record of the sprint planning is accessible at this link: [MOM013 | Sprint 5 review and Sprint 6 planning](#).

2. Sprint execution

2.1 Sprint burndown chart

The live burndown chart is accessible at [this link](#).

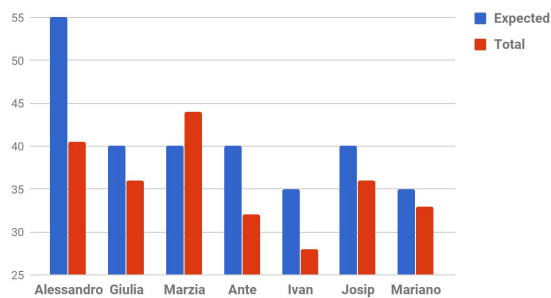
Burn down chart sprint #5



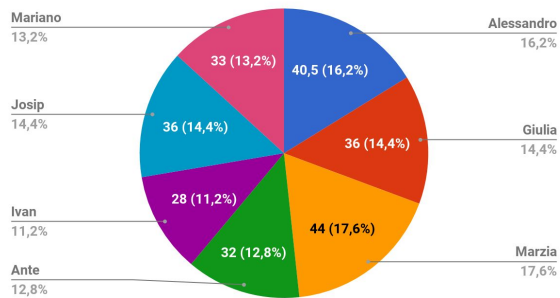
2.2 Working hours

Working hours updated on daily base by each member on each backlog task are accessible at [this link](#) or in the same folder in the FER website.

Working hours sprint #5



Working hours sprint #5



2.3 Summary of work done

Alessandro	Total hours: 40.5
-------------------	--------------------------

- Slide for alpha presentation
- Abstract for SCORE
- Set up heroku for automatic deploy
- Started looking at travis as a testing platform but not integrated yet
- Fixed errors showing in login/registration
- Integrate the route management done by Ivan in the backend with the part done by Marzia in the frontend
- Managed the status of the events in the backend in order to properly authorize the several actions on it
- Created pagination system in enrolled and organized events endpoint and managed to integrate it in the frontend

Giulia	Total hours: 36
---------------	------------------------

- Added content to FAQ page
- Completed the "How it works" page
- Created tab for showing enrolled events using the same structure as "all events" page
- Created tab for showing created events using the same structure as "all events" page
- Improved my events page using a tab system and show enrolled and created events tabs
- Created page for showing the details of a single event
- Started creating mobile application with basic login
- Worked on the slide of Alpha Prototype presentation, preparation for presenting
- Managed SCORE registration

Marzia**Total hours: 44**

- Helped on slide of Alpha presentation.
- Fixed the display of image after uploading it in the management pages
- Improved event management page adding input controls
- Added the possibility to modify an event for event organizers
- Added the possibility to upload CSV file on front end
- Added map in the management page to allow organizers to create a route with multiple checkpoints, modify it and save it.
- Handle partially integration with backend for saving routes.
- Added buttons to my events page (organizers only) that allow to start and stop an event tracking changing the status of the event.

Mariano**Total hours: 33**

- Created location data model and then updated in order to store the new positions as they are posted
- Worked on preparing for presenting Alpha
- Created data ranking model in backend: created the schema and the create and update methods
- Created GET method for ranking model
- Wrote a script in python to register a user, create an event, enroll then send the position, simulating a mobile app of a participant
- Worked on how ranking function will be implemented and how to properly store it
- Helped review Abstract for SCORE

Ante**Total hours: 32**

- Created event-progress page with the map and the event route
- Worked on alpha presentation, preparation for presenting
- Added an option to enroll/withdraw enrollment to the event in the frontend

Ivan**Total hours: 28**

- Error handling messages in backend
- Data model, API and tests for route model
- Fix of some tests and clean up of tests in github

Josip

Total hours: 36

- Created APIs for receiving and getting data from mobile app
- Created endpoint for getting the last location of an user
- Improved getting enrolled and organized events with adding pagination system

3. Sprint analysis

3.1 Sprint Figures and Performance

Data available in the [Sprint Backlog](#) (refer to same folder) covers information in the Tasks Planned, Burn Down Chart and Working Hours tabs of the spreadsheet. This includes:

- Work hours invested per backlog item for the current sprint
- Work hours invested per team member for the current sprint
- Estimate of total work hours needed to complete tasks in the initial sprint backlog and the actual number of work hours invested during the sprint (at the team level)
- Estimated velocity at the beginning and real sprint velocity at the end of the sprint

Back Log Analysis

Tasks Incomplete	Percentage Complete	Notes
Install and configure jenkins	70	Jenkins won't be used anymore. The task is closed. Refer to tasks related to Travis.
Create the "passive" data collector to receive data from mobile app	33.3	This task is split in smaller tasks.
Create location data models	66.6	Here completeness is defined by the number of hours nevertheless the task was complete in less hours.
Send location data from the application to the server when the event starts	70	Created new more detailed tasks about the mobile app and the script
Create mobile application with basic login	50	Underestimated task size

All incomplete and unstarted tasks were moved over to the next Sprint with some alterations to the names for a more specific break down of the task.

3.2 Sprint review

Generally the team felt this sprint did not go as expected. We were way under the estimated hours for this Sprint and did not complete all tasks. 14 tasks were **unstarted**, 5 were in **progress** and 23 were **completed**. In terms of the Done definition only 14 tasks were **done**. Overall 307 hours were estimated and 162 hours were logged. There is a large discrepancy which will be addressed in the retrospective and in the MOM13. The team made the key decision to abandon some features such as the messaging and private data and the justification is outlined on the MOM13.

3.3 Sprint retrospective

1) What Went Well? (what we should continue to do)

- We implemented faster than previous sprints because we are over the learning phase.
- We received positive feedback about the alpha presentation.
- We implemented all the features we planned to be in the alpha.

2) What could have been better? (what we should stop doing)

- We had few meetings.
- We have not contacted the customer since the requirements meeting.
- We were not aligned because we did not communicate enough.
- We worked a lot alone without involving the others.

3) Things to try? (what we should start doing)

- We should filter some asana notifications that are out of one's focus on the sprint.
- We should have more informal meetings on Talky/Hangouts.
- We should label a task done only when it's implemented, tested and documented.
- We should more frequently document and publish design decisions and implementation details in the FER website (update the design document).

4) Issues to escalate

3.4 Sprint review and retrospective MOM

A record of the sprint review and retrospective is accessible at this link: [MOM013 | Sprint 5 review and Sprint 6 planning](#).