



<i>Date</i>	<i>Version</i>	<i>Description</i>	<i>Author</i>
13-Jan-2020	1.0	Sprint Report # 6	Carlo Casiglia

CYCLING ADVOCACY

for the Cyclists' Union

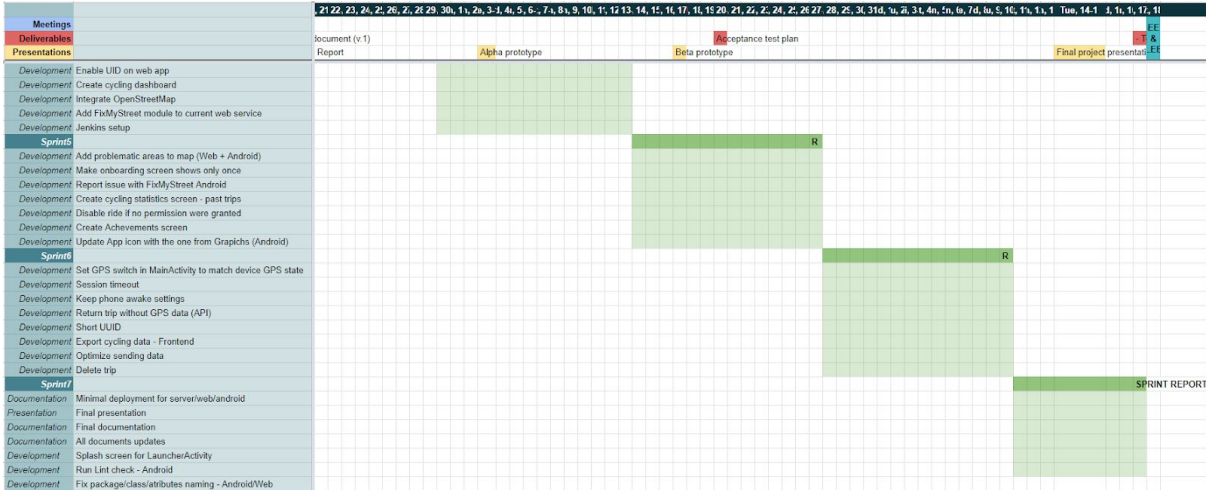
Sprint # 6

Sprint Report

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Sprint # 6



Gantt diagram of the project at this moment

1. Team and Hours of Work

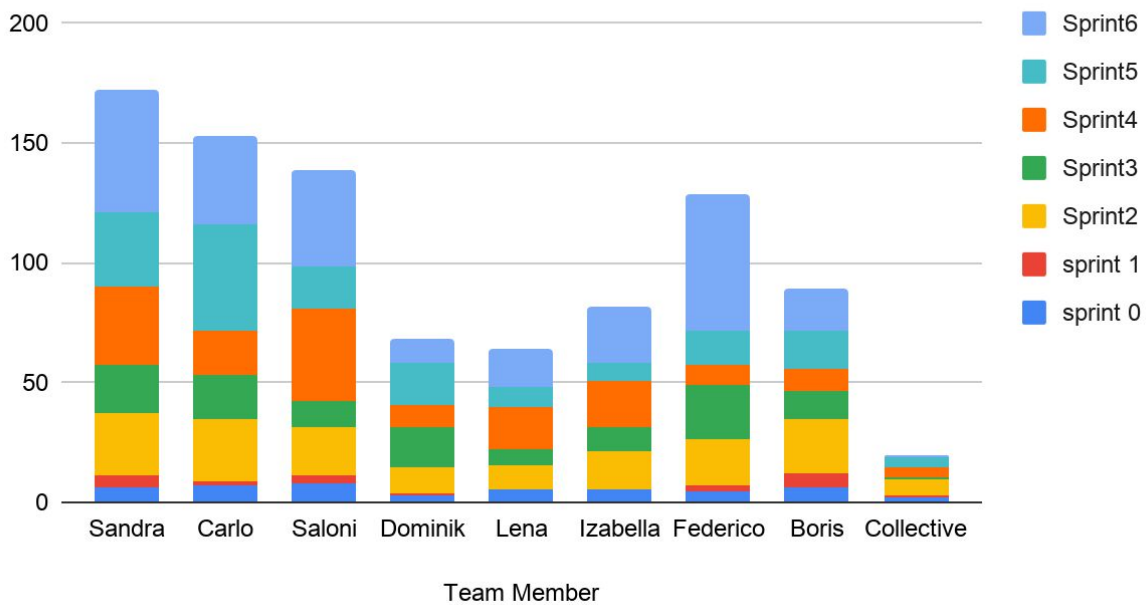
1.1 Detailed prospect

Team Member	Hours of Work
Sandra	51
Carlo	37
Saloni	40
Dominik	9.5
Lena	16
Izabella	24
Federico	56.5
Boris	17
Collective	1

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1.2 Cumulative plot

Working hours by sprint



2. Meetings

1. Team meeting on January 9th
Some internal meetings

3. Sprint Overview

3.1 Deliverables

Items selected for the sprints:

Epic: final product. **Goal:** no more development after monday 13th

1. Full performing motion data analysis
2. Full performing map updating
3. Full performing data collection on application
4. Full performing data visualisation on application
5. System is stable and resilient

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3.2 Detailed Task Report

Task	Type	Owner	Status	Estimation	Effective
Wifi error check	Development	Sandra	Finished	2	1
Enable short UUID (Web + Android)	Development	Sandra	Finished	4	4
Remove GPS Switch and just check the location on center map click and start trip+ fix button start trip position	Development	Saloni	Finished	3	3
On start trip pressed take user to location settings if it location is off	Development	Saloni	Finished	2	2
Activity TripInProgressActivity has leaked ServiceConnection	Development	Sandra	Finished	2	2
Investigate slow Map uploading and crash on btn center map click	Development	Sandra	Finished	4	2
Add field max vibration in trip class It is not sent on backend, just for on device calculation (achievements)	Development	Boris	Next Sprint	2	
Send startTS as UTC and not LocaleDate + Fix date format	Development	Android	Next Sprint	1	
Fix end trip button position	Development	Saloni	Finished	1	1
Fix vibration gauge according to customer feedback Also it is sometimes broken, ie the line does not follow the gauge	Development	Saloni	Finished	4	6
Clean FMS - Android (strings, layout, classes, colors, styles, etc)	Development	Izabella	Finished	1	1
Keep the screen awake while having trip in progress	Development	Saloni	Finished	2	2
Set GPS switch in MainActivity to match device GPS state	Development	Saloni	Finished	4	4
Use settings options to determine when send data Three options: manual, only wifi, mobile data (ie always)	Development	Sandra	Finished	5	5
Save pending trips in DB	Development	Sandra	Finished	4	4
Use settings option to determine whether to keep screen awake	Development	Sandra	Finished	2	2

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Android: Retrieve and display list of past trips	<i>Development</i>	<i>Boris</i>	<i>Finished</i>	3	5
Loading progress bar for trip list + message to show if trips are empty	<i>Development</i>	<i>Saloni</i>	<i>Finished</i>	4	6
Android: Display past trip details	<i>Development</i>	<i>Boris</i>	<i>Finished</i>	5	5
Android: Display past trip route on map	<i>Development</i>	<i>Boris</i>	<i>Finished</i>	4	2
Add Marker for start/end - Android	<i>Development</i>	<i>Izabella</i>	<i>Next Sprint</i>	4	
Add trips from DB to past trps screen	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	3	3
Upload pending trips from past trips screen	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	2	2
Delete trip option in past trips (API) - Android	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	4	3
Export cycling data - Android	<i>Development</i>	<i>Android</i>	<i>Next Sprint</i>	4	
Integrate Report issue with FixMyStreet Android	<i>Development</i>	<i>Android</i>	<i>Cancelled</i>	5	
Create cycling statistics screen - past trips - Android	<i>Development</i>	<i>Saloni</i>	<i>Finished</i>	5	5
Add problematic areas to map - Android	<i>Development</i>	<i>Boris</i>	<i>Next Sprint</i>	4	4
Fix buttons position, background of settings , add clickable background to all btn/clickable images/items in past trips	<i>Development</i>	<i>Android</i>	<i>Next Sprint</i>	4	
Fix Todo	<i>Development</i>	<i>Android</i>	<i>Next Sprint</i>	6	
Create Achievements screen - when Achievement is accomplished	<i>Development</i>	<i>Saloni</i>	<i>Finished</i>	4	5
Add achievement logic (how to know when it is completed)	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	4	6
Update App icon with the one from Grapichs	<i>Development</i>	<i>Saloni</i>	<i>Finished</i>	1	1
Export cycling data - Frontend	<i>Development</i>	<i>Frontend</i>	<i>Next Sprint</i>	4	
Delete trip option in past trips - Frontend	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	4	1
Draw lines on map using trip.gnss points	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	4	5
Add delete icon to table with trips and trip preview (next to export btn) + other button changes	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	3	3

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Add logout feature - Web	Development	Sandra	Finished	2	2
Add problematic areas to map - Web	Development	Izabella	Finished	4	6
Create cycling statistics screen - past trips - Web	Development	Izabella	Finished	6	6
Fix enter UUID style (make it centered)	Development	Izabella	Finished	2	2
Make past trips with UUID in the link URL	Development	Sandra	Finished	6	6
Web improvements	Development	Sandra	Finished	5	5
Show error message when tripUUID is not real	Development	Sandra	Finished	2	2
Review PR	Development	Saloni	Finished	4	4
Session timeout	Development	Collective	Cancelled	6	
Jenkins setup	Development	Dominik	Cancelled	5	
Jenkins autodeployment of repo on server + running the tests	Development	Dominik	Cancelled	5	
Add FixMyStreet module to current web service	Development	Backend	Cancelled	10	
Expose map data in a suitable format	Development	Backend	Next Sprint	5	
Assign average road quality measure to path	Development	Backend	Next Sprint	8	
Join the end of existing path with new trip	Development	Federico	Finished	8	18
Delete old path and produce new paths	Development	Federico	Finished	8	18
Calculate path quality from the path and motion data 1	Development	Carlo	Next Sprint	10	
Calculate path quality from the path and motion data 2	Development	Dominik	Next Sprint	5	
Handle update map on the queuing system	Development	Carlo	Next Sprint	10	
Remove GPS data from getTripByDeviceUUID	Development	Federico	Finished	1	2
Update API for all changes	Development	Federico	Finished	2	5
Check FMS integration	Development	Dominik	Finished	8	2
Design Document Updates	Documentation	Lena	Next Sprint	8	
Investigate FixMyStreet module and integration	Development	Lena	Finished	15	15

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Adding Short/Long device UUID API	<i>Development</i>	<i>Federico</i>	Finished	3	3
Document deployment procedure and requirements for backend service	<i>Documentation</i>	<i>Dominik</i>	Next Sprint	1	
Document deployment procedure and requirements for web frontend	<i>Documentation</i>	<i>Dominik</i>	Next Sprint	1	
Document deployment procedure and requirements for android app	<i>Documentation</i>	<i>Dominik</i>	Next Sprint	1	
Create a package for the backend and web frontend service	<i>Development</i>	<i>Dominik</i>	Next Sprint	1	
Create a deleteTripByTripUuid API	<i>Documentation</i>	<i>Federico</i>	Finished	2	2
Trip deletion in mongodb interface	<i>Documentation</i>	<i>Federico</i>	Finished	1	0.5
Team meeting	<i>Meeting</i>	<i>Collective</i>	Finished	1	1
Research the final demo possibilities and test	<i>Presentation</i>	<i>Dominik</i>	Finished	2	2
2.1.2020 meeting MoM	<i>Meeting</i>	<i>Dominik</i>	Finished	1	1
Test the final demo on FER	<i>Test</i>	<i>Collective</i>	Next Sprint	1	
Working queue in production server	<i>Development</i>	<i>Carlo</i>	Finished	12	30
Backend debugging	<i>Development</i>	<i>Dominik</i>	Finished	1	1
Redeploy frontend	<i>Development</i>	<i>Dominik</i>	Finished	0.5	0.5
Correct trip statistics update schema	<i>Development</i>	<i>Carlo</i>	Finished	1	3
Update gnss data with road quality	<i>Development</i>	<i>Carlo</i>	Finished	4	3
7.1.2020 supervisor meeting MoM	<i>Meeting</i>	<i>Dominik</i>	Finished	1	1
Unittests for API	<i>Development</i>	<i>Federico</i>	Finished	3	3
Bumpy point retrieval API	<i>Development</i>	<i>Federico</i>	Finished	2	2
Motion data retrieval API	<i>Development</i>	<i>Federico</i>	Finished	2	2
Return road quality as a vector in run_motion_data_analysis	<i>Development</i>	<i>Carlo</i>	Next Sprint	4	
9.1.2020 team meeting MoM	<i>Meeting</i>	<i>Dominik</i>	Finished	1	1

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4. Sprint Retrospective

4.1 What we did good

We succeeded. System is working good, it is stable, it does everything as expected. The application is nice and performing. Of course we have missed some features and there are some bugs, but for a few weeks project it is a great success. By the time of this sprint, we have learnt to communicate, to update all our documents and to coordinate between teams effectively.

4.2 What we did bad

Nothing. We were amazing. Yep, algorithm are approximative, test were not extensive, et cetera; but that have never been a goal, it is unrealistic and wrong to try to bite off more than you can chew. Our objective was to work as a team and to deliver a working application wrt or customer main goals and we achieved that.

4.3 What can we improve

Now it's time not to loose the grip on our final sprint. We have to present the project, to deliver the documents and to install the product to our customer infrastructure. It is important to understand that you can do the best job in the world, but if you fail to deliver, or if the user, somehow, cannot take advantage of the job you have done, it's like having done nothing. So, let's not rest on laurels, and keep up the good job.

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5. Next Sprint Planning

This is going to be a one-week, final sprint. Our goal is to effectively deliver the product.

5.1 Deliverables

Epic: Final product

1. Final presentation
2. Final documentation
3. Product delivery and setup
4. Party

5.2 Tasks¹

<i>Task</i>	<i>Type</i>	<i>Owner</i>	<i>Estimated</i>
Fix package/class/atributes naming - Android/Web	<i>Development</i>	Sandra	2
Remove/Comment logging - Android/Web	<i>Development</i>	Android	1
Run Lint check - Android	<i>Development</i>	Sandra	2
Splash screen on app opening	<i>Development</i>	Android	1
add clickable background to all btn/clickable images/items in past trips	<i>Development</i>	Android	4
Fix Todo	<i>Development</i>	Android	6
Add problematic areas to map - Android	<i>Development</i>	Boris	4
Add field max vibration in trip class It is not sent on backend, just for on device calculation (achievements)	<i>Development</i>	Boris	2
Fix Android vibration meter delay	<i>Development</i>	Boris	1
Update past trip details on Android + road quality scale change	<i>Development</i>	Boris	2
Send startTS as UTC and not LocaleDate	<i>Development</i>	Sandra	1
Motion file has double quotes when uploaded?	<i>Development</i>	Boris	3
Improve TripStatistics screen design (Sandra	<i>Development</i>	Sandra	3

¹ Some tasks are assigned to teams because we found impossible (and not useful) to make a meticulous assignment in advance (we don't have enough time in sprint meetings and we don't have completely clear ideas in mind). It is more useful to write down all the tasks we know, then each team discusses them and rewrite them more in detail (e.g. a single task assigned to a team can be split in 3 tasks assigned to 3 team members).

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found new mockup)			
Delete trips from DB on user demand? - Long click opens alert for delete	<i>Development</i>	Sandra	2
Add Marker for start/end - Android	<i>Development</i>	Izabella	4
Export cycling data - Android	<i>Development</i>	Sandra	4
Investigate linear gauge	<i>Development</i>	Saloni	2
Changes in gauge according to customer requirements	<i>Development</i>	Saloni	4
Update Upload icon	<i>Development</i>	Saloni	1
Export cycling data - Frontend	<i>Development</i>	Izabella	4
Web improvements	<i>Development</i>	Izabella	2
Delete buttons in table + other improvements	<i>Development</i>	Izabella	2
Show vibration/bumps from backend + change the borders for road quality (0-1 so just make i 0.4 and 0.6 ... 1 is a lot of vibration - bad and 0 is almost perfect road without any vibration)	<i>Development</i>	Izabella	3
Elevation issue	<i>Development</i>	Collective	4
Git merge all into master	<i>Development</i>	Collective	1
Final Presentation skeleton	<i>Presentation</i>	Saloni	1
Final Presentation	<i>Presentation</i>	Collective	4
Live Demo Preparation - Check ZOOM	<i>Presentation</i>	Dominik	3
Final Document part1	<i>Documentation</i>	Dominik	4
Final Document part2	<i>Documentation</i>	Boris	4
Test acceptance plan update	<i>Documentation</i>	Sandra	2
Report test passing (document)	<i>Documentation</i>	Federico	
Design Document Update	<i>Documentation</i>	Lena	4
Requirement Document Update	<i>Documentation</i>	Izabella	4
Project Plan Update	<i>Documentation</i>	Saloni	4
Test the final demo on FER	<i>Test</i>	Collective	1
Working queue in production server	<i>Development</i>	Carlo	12
Return road quality as a vector in run_motion_data_analysis	<i>Development</i>	Carlo	4
Document deployment procedure and requirements for backend service	<i>Documentation</i>	Dominik	1
Document deployment procedure and requirements for web frontend	<i>Documentation</i>	Dominik	1

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Document deployment procedure and requirements for android app	<i>Documentation</i>	Dominik	1
Create a package for the backend and web frontend service	<i>Development</i>	Dominik	1
Design Document Updates	<i>Documentation</i>	Lena	8
Calculate path quality from the path and motion data 1	Development	Carlo	10
Calculate path quality from the path and motion data 2	Development	Dominik	5
Handle update map on the queuing system	Development	Carlo	10
Expose map data in a suitable format	<i>Development</i>	Backend	5
Assign average road quality measure to path	<i>Development</i>	Backend	8

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