



<i>Date</i>	<i>Version</i>	<i>Description</i>	<i>Author</i>
16-Dec-2019	1.0	Sprint Report # 4	Carlo Casiglia

# CYCLING ADVOCACY

*for the Cyclists' Union*

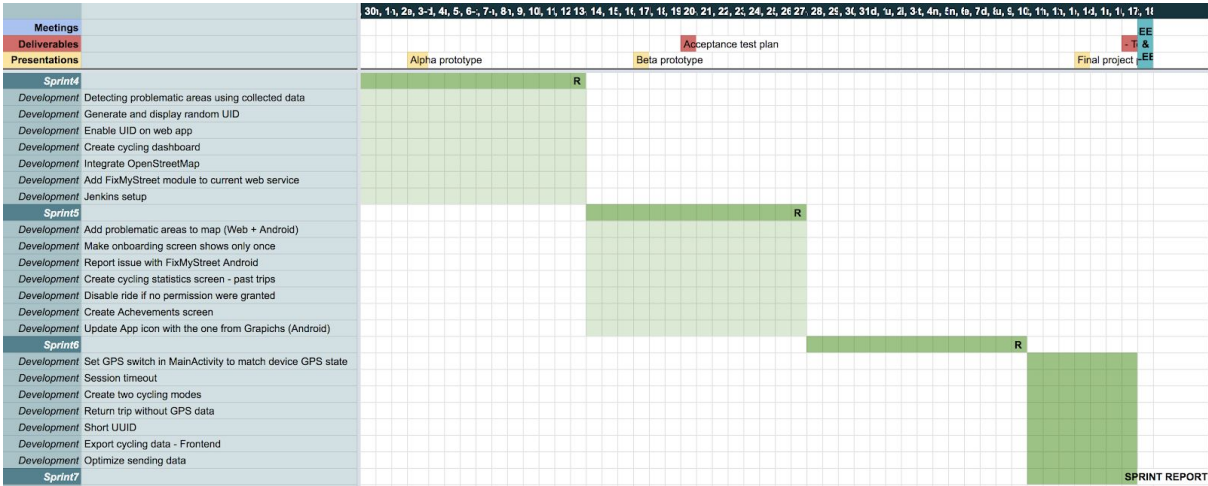
## Sprint # 4

### *Sprint Report*

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# Sprint # 4



Gantt diagram of the project at this moment

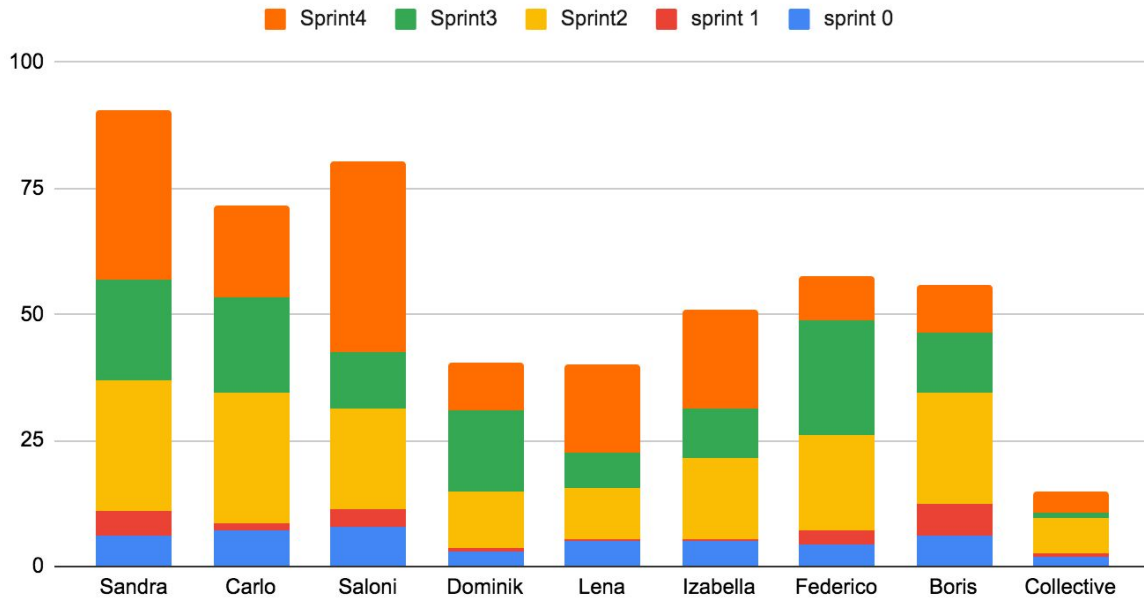
## 1. Team and Hours of Work

### 1.1 Detailed prospect

Team Member	sprint 0	sprint 1	Sprint2	Sprint3	Sprint4	Total
Sandra	6	5	26	20	33.5	90.5
Carlo	7	1.5	26	19	18	71.5
Saloni	8	3.5	20	11	38	80.5
Dominik	3	0.5	11.5	16	9.5	40.5
Lena	5	0.5	10	7	17.5	40
Izabella	5	0.5	16	10	19.5	51
Federico	4.5	2.5	19	23	8.5	57.5
Boris	6	6.5	22	12	9.5	56
Collective	2	0.5	7	1	4.5	15

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## 1.2 Cumulative plot

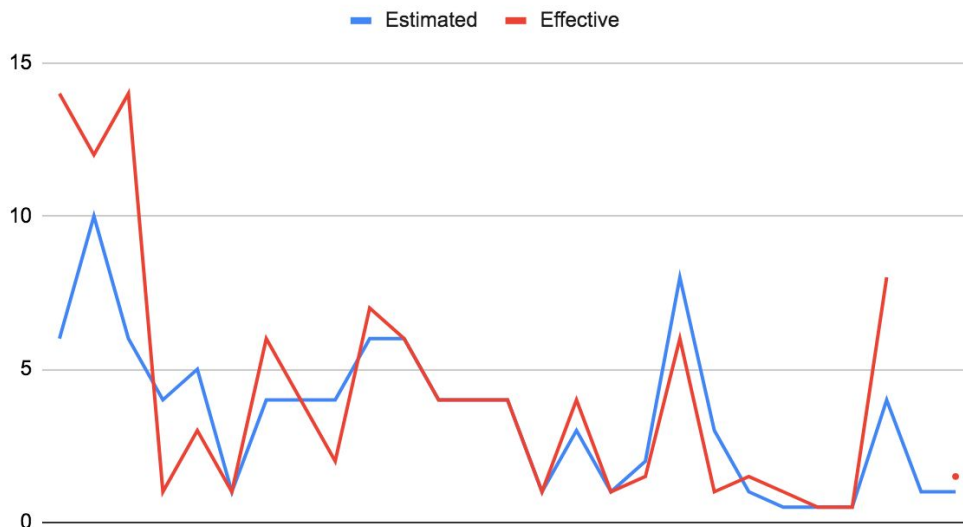


## 2. Meetings

1. Team meeting on December 5th
2. Team meeting on December 12nd

## 3. Sprint Overview

Estimation vs Reality



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### 3.1 Deliverables

#### Items selected for the sprints:

##### Epic: Beta Prototype

1. Map Update (update map of discovered paths with new trips)
2. Road Quality Analysis (infer road quality analyzing new trips)
3. Beta Prototype presentation
4. Investigate FixMyStreet integration
5. Integrate collection data app and real app
6. Enable user to see past trips (retrieving data from backend + UI)
7. Enable achievements (logic of completing + achievement completed screen)
8. Improve past trips screen (changes in router organization of past trips + past trip screen)

### 3.2 Detailed Task Report

<b>Task</b>	<b>Type</b>	<b>Owner</b>	<b>Status</b>	<b>Estimation</b>	<b>Effective</b>
Accumulated-vibrations calculation	Development	Boris	Next Sprint	6	
Mobile App Design logic fix	Development	Saloni	Finished	6	14
Work on Design PR feedback	Development	Saloni	Finished	10	12
Integrate sample app for data collection to project	Development	Android	Next Sprint	6	
Create simple UI for Web	Development	Sandra	Finished	6	14
Fix Pie and Oreo background location issue	Development	Sandra	Next Sprint	4	
Distance calculation	Development	Boris	Finished	4	1
Add toolbar to MainActivity and TripInProgressActivity + back/home btns	Development	Sandra	Next Sprint	3	
Fix Todo	Development	Android	Next Sprint	4	
Fix buttons position, background , add clickable background to all btn/clickable images	Development	Android	Next Sprint	4	
Don't send data if trip is not longer than X min and Y meters	Development	Boris	Finished	5	3
Distance to km, and speed to km/h	Development	Boris	Finished	1	1
Add deVIDEUUID	Development	Sandra	Next Sprint	4	
Add settings using preferences	Development	Saloni	Finished	4	6

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Create cycling dashboard (trip in progress)	<i>Development</i>	<i>Android</i>	<i>Next Sprint</i>	6	
Add Room DB for achievements	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	4	4
Add Achievements in list + think of 6-8 achievements	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	4	2
Integrate OpenStreetMap - Android	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	6	7
Integrate OpenStreetMap - Web	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	6	6
Btn primary color should be #ffd200, tabs matching navigation, form in modal has blue shadow make it #ffd200	<i>Development</i>	<i>Izabella</i>	<i>Next Sprint</i>	4	
Investigate if User should be logged in for a while	<i>Development</i>	<i>Frontend</i>	<i>Cancelled</i>	6	
Alpha prototype part1	<i>Presentation</i>	<i>Carlo</i>	<i>Finished</i>	4	4
Alpha prototype part2	<i>Presentation</i>	<i>Sandra</i>	<i>Finished</i>	4	4
Alpha prototype part3	<i>Presentation</i>	<i>Federico</i>	<i>Finished</i>	4	4
Investigate FixMyStreet module and integration	<i>Development</i>	<i>Lena</i>	<i>Next Sprint</i>	15	13
Add FixMyStreet module to current web service	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	10	
Jenkins setup	<i>Development</i>	<i>Dominik</i>	<i>Next Sprint</i>	5	
Jenkins autodeployment of repo on server + running the tests	<i>Development</i>	<i>Dominik</i>	<i>Next Sprint</i>	5	
Clean up sprint sheet 3	<i>Documentation</i>	<i>Collective</i>	<i>Finished</i>	1	1
Create an ssh script that clones the repository and restarts the service	<i>Development</i>	<i>Dominik</i>	<i>Finished</i>	3	4
Supervisor meeting MOM	<i>Meeting</i>	<i>Dominik</i>	<i>Finished</i>	1	1
Review PR	<i>Development</i>	<i>Saloni</i>	<i>Finished</i>	2	1.5
Reviewing PRs	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	8	6
Produce some sample data	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	3	1
Team meeting on Nov 5th	<i>Meeting</i>	<i>Collective</i>	<i>Finished</i>	1	1.5
Calculate road quality with new motion data	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	10	
Expose map data in a suitable format	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	5	
Google form for team evaluation	<i>Scrumming</i>	<i>Carlo</i>	<i>Finished</i>	0.5	1
Complete Google form	<i>Scrumming</i>	<i>Collective</i>	<i>Finished</i>	0.5	0.5
Find common paths	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	8	

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Assign average road quality measure to path	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	8	
Join the end of existing path with new trip	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	8	
Delete old path and produce new paths	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	8	
Add a "depending on" column to task assignment	<i>Development</i>	<i>Carlo</i>	<i>Finished</i>	0.5	0.5
Understand how path joining works and make documentation	<i>Development</i>	<i>Carlo</i>	<i>Finished</i>	4	8
Internal meeting 12.12 MOM	<i>Meeting</i>	<i>Dominik</i>	<i>Finished</i>	1	
Team meeting on Nov 12nd	<i>Meeting</i>	<i>Collective</i>	<i>Finished</i>	1	1.5

## **4. Sprint Retrospective**

### **4.1 What we did good**

1. The frontend team worked very well. They have been working a lot, everyday, doing regular stand-ups and communicating regularly on Slack
2. As a result, the Android application is pretty nice!
3. We succeeded in setting up and implementing a draft of trip analysis
4. We didn't miss any deadline

### **4.2 What we did bad**

1. The backend team didn't worked this much and didn't communicate a lot
2. We didn't do old documents revision

### **4.3 What can we improve?**

1. Backend team should work more
2. Backend team should communicate more
3. We should do old documents revision even if not high priority

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## 5. Next Sprint Planning

### 5.1 Deliverables

1. Complete some unattended tasks from sprint 4
2. Complete motion data analysis
3. Complete map update module
4. Decide on how to proceed on FixMyStreet integration
5. Test Android application and debug
6. Old document revision

### 5.2 Tasks<sup>1</sup>

<b>Task</b>	<b>Type</b>	<b>Owner</b>	<b>Estimated</b>
Accumulated-vibrations calculation	<i>Development</i>	<i>Boris</i>	6
Timer implementation	<i>Development</i>	<i>Sandra</i>	4
Integrate sample app for data collection to project	<i>Development</i>	<i>Sandra</i>	6
Add problematic areas to map - Android	<i>Development</i>	<i>Android</i>	4
Make onboarding screen shows only once (using preferences)	<i>Development</i>	<i>Sandra</i>	2
Integrate Report issue with FixMyStreet Android	<i>Development</i>	<i>Android</i>	5
Investigate if it is possible to change blue color on speedometer	<i>Development</i>	<i>Saloni</i>	4
Create cycling statistics screen - past trips - Android	<i>Development</i>	<i>Android</i>	5
Keep the screen awake while having trip in progress	<i>Development</i>	<i>Android</i>	2
Disable ride if no permission were granted	<i>Development</i>	<i>Android</i>	2
Fix Pie and Oreo background location issue	<i>Development</i>	<i>Sandra</i>	4
Fix buttons position, background of settings , add	<i>Development</i>	<i>Android</i>	4

<sup>1</sup> 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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clickable background to all btn/clickable images			
Add toolbar to MainActivity and TripInProgressActivity + back/home btns	<i>Development</i>	<i>Sandra</i>	3
Create cycling dashboard (trip in progress)	<i>Development</i>	<i>Saloni</i>	8
Create Achievements screen - when Achievement is accomplished	<i>Development</i>	<i>Android</i>	3
Update App icon with the one from Grapichs	<i>Development</i>	<i>Android</i>	1
Add devideUUID	<i>Development</i>	<i>Sandra</i>	2
Fix Todo	<i>Development</i>	<i>Android</i>	6
Btn primary color should be #ffd200, tabs matching navigation, form in modal has blue shadow make it #ffd200	<i>Development</i>	<i>Izabella</i>	4
Add problematic areas to map - Web	<i>Development</i>	<i>Frontend</i>	4
Create cycling statistics screen - past trips - Web	<i>Development</i>	<i>Frontend</i>	6
Make past trips with UUID in the link URL	<i>Development</i>	<i>Frontend</i>	6
Beta prototype ppt - introduction	<i>Presentation</i>	<i>Lena</i>	2
Beta prototype ppt- skeleton	<i>Presentation</i>	<i>Saloni</i>	1
Beta prototype ppt	<i>Presentation</i>	<i>Collective</i>	4
Create Video for beta prototype	<i>Presentation</i>	<i>Dominik</i>	4
Create Video for beta prototype	<i>Presentation</i>	<i>Carlo</i>	4
Project Plan Update	<i>Presentation</i>	<i>Sandra</i>	5
Requirements Document Updates	<i>Documentation</i>	<i>UNASSIGNED</i>	8
Design Document Updates	<i>Documentation</i>	<i>Lena</i>	8
Acceptance Test Document	<i>Documentation</i>	<i>Sandra</i>	10
Backend team meeting 13.12 MOM	<i>Meeting</i>	<i>Dominik</i>	1
Investigate FixMyStreet module and integration	<i>Development</i>	<i>Lena</i>	15
Jenkins setup	<i>Development</i>	<i>Dominik</i>	5
Jenkins autodeployment of repo on server + running the tests	<i>Development</i>	<i>Dominik</i>	5
Add FixMyStreet module to current web service	<i>Development</i>	<i>Backend</i>	10
Calculate road quality with new motion data	<i>Development</i>	<i>Backend</i>	10
Expose map data in a suitable format	<i>Development</i>	<i>Backend</i>	5
Find common paths	<i>Development</i>	<i>Backend</i>	8
Assign average road quality measure to path	<i>Development</i>	<i>Backend</i>	8
Join the end of existing path with new trip	<i>Development</i>	<i>Backend</i>	8



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Delete old path and produce new paths	<i>Development</i>	<i>Backend</i>	<i>8</i>
Backend team meeting	<i>Meeting</i>	<i>Carlo</i>	<i>1</i>
Backend team meeting	<i>Meeting</i>	<i>Dominik</i>	<i>1</i>
Backend team meeting	<i>Meeting</i>	<i>Lena</i>	<i>1</i>
Backend team meeting	<i>Meeting</i>	<i>Federico</i>	<i>1</i>
Calculate path quality from the path and motion data 1	<i>Development</i>	<i>Carlo</i>	<i>10</i>
Calculate path quality from the path and motion data 2	<i>Development</i>	<i>Dominik</i>	<i>5</i>
Sprint4 report	<i>Scrumming</i>	<i>Carlo</i>	<i>1</i>

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