



<i>Date</i>	<i>Version</i>	<i>Description</i>	<i>Author</i>
01-Dec-2019	1.0	Sprint Report # 3	Carlo Casiglia

CYCLING ADVOCACY

for the Cyclists' Union

Sprint # 3

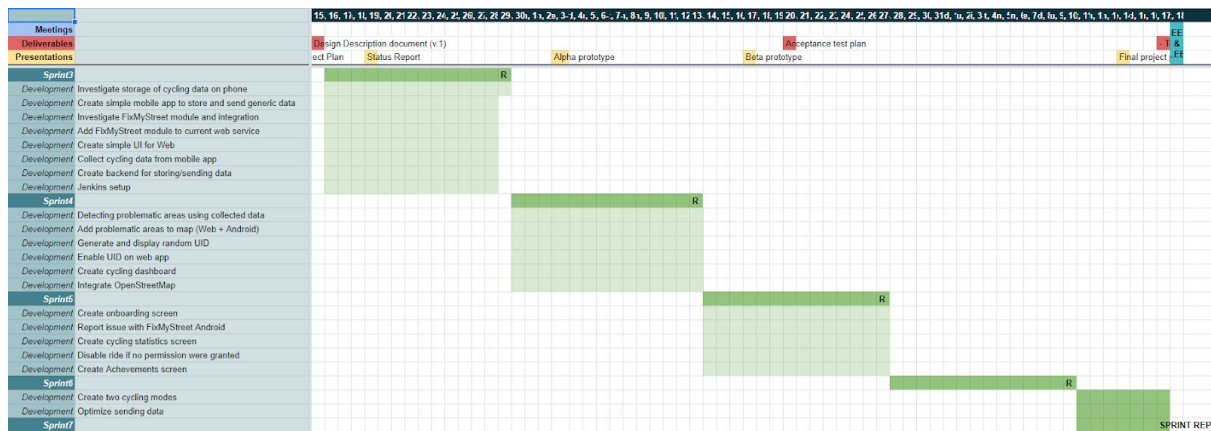
Sprint Report

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Gantt diagram of the project at this moment

1. Team and Hours of Work

Team Member	Role	Location	Hours
Sandra Kuzmić	Product Owner	FER	20
Carlo Casiglia	Scrum Master	POLIMI	19
Saloni Kyal	PoliMI Team Leader	POLIMI	11
Dominik Kotarski	Developer	FER	16
Elena Bakuleva	Developer	POLIMI	7
Izabella Szydelko	Developer	FER	10
Federico Ferri	Developer	POLIMI	23
Boris Vezmar	Developer	FER	12

2. Meetings

1. Customer meeting on November 22nd
2. Team meeting on November 28th

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3. Sprint Overview

3.1 Deliverables

Items selected for the sprints:

Epic: *Alpha Prototype*

1. App can collect trip data
2. App can collect motion sensors data
3. Publicly available API with methods for storing data
4. Module for connecting with mongo
5. Repository deployed on VM
6. Prototype test

3.2 Detailed Task Report

Task	Type	Owner	Status	Estimation	Effective
Create simple mobile app to preview/collect GNSS data	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	6	8
Create simple mobile app to preview/collect motion sensor data	<i>Development</i>	<i>Sandra</i>	<i>Finished</i>	6	6
Create simple mobile app to visualize map	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	6	6
Store some object in ZIP file and in JSON	<i>Development</i>	<i>Izabella</i>	<i>Cancelled</i>	4	
Add API calls using RxJava and Retrofit	<i>Development</i>	<i>Boris</i>	<i>Finished</i>	5	8
Mobile App Design logic	<i>Development</i>	<i>Saloni</i>	<i>Finished</i>	8	10
Try some simple on-device calculations (speed, duration, bumps?..)	<i>Development</i>	<i>Android</i>	<i>Next Sprint</i>	6	
Integrate sample app to project	<i>Development</i>	<i>Saloni</i>	<i>Next Sprint</i>	4	
Investigate FixMyStreet module and integration	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	8	
Add FixMyStreet module to current web service	<i>Development</i>	<i>Backend</i>	<i>Next Sprint</i>	10	
Create simple UI for Web	<i>Development</i>	<i>Sandra</i>	<i>Next Sprint</i>	6	
Jenkins setup	<i>Development</i>	<i>Dominik</i>	<i>Next Sprint</i>	5	
Status report ppt part1	<i>Presentation</i>	<i>Boris</i>	<i>Finished</i>	4	3

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Status report ppt part2	<i>Presentation</i>	<i>Dominik</i>	<i>Finished</i>	4	4
Status report ppt part3	<i>Presentation</i>	<i>Sandra</i>	<i>Finished</i>	4	4
Data Management Document (privacy, etc)	<i>Documentation</i>	<i>Carlo</i>	<i>Paused</i>	3	
Prepare Minutes of Meetings for meeting with supervisor	<i>Meeting</i>	<i>Lena</i>	<i>Finished</i>	1	2
Requirement Doc revision according to supervisors' notes	<i>Documentation</i>	<i>Carlo</i>	<i>Finished</i>	4	1
Connect MongoDB	<i>Development</i>	<i>Dominik</i>	<i>Finished</i>	3	3
Upload of CSV file and small integrity checks + double db + test	<i>Development</i>	<i>Federico</i>	<i>Finished</i>	3	3
Insertion of a new trip + insertion in the queue + double db + test	<i>Development</i>	<i>Lena</i>	<i>Finished</i>	3	3
Install rabbitmq on VM	<i>Development</i>	<i>Carlo</i>	<i>Finished</i>	3	1
Jenkins autodeployment of repo on server + running the tests	<i>Development</i>	<i>Dominik</i>	<i>Next Sprint</i>	5	
Module for enqueueing jobs and consume them	<i>Development</i>	<i>Carlo</i>	<i>Finished</i>	10	12
API send data from backend to frontend/android	<i>Development</i>	<i>Federico</i>	<i>Next Sprint</i>	1	
Customer meeting notes	<i>Meeting</i>	<i>Sandra</i>	<i>Finished</i>		1
Team Meeting notes	<i>Meeting</i>	<i>Dominik</i>	<i>Finished</i>	1	1
Investigate speed/vibration vizualization	<i>Development</i>	<i>Izabella</i>	<i>Finished</i>	3	3
Create a service for the flask server	<i>Development</i>	<i>Dominik</i>	<i>Finished</i>	1	2
Create an ssh script that clones the repository and restarts the service	<i>Development</i>	<i>Dominik</i>	<i>Next Sprint</i>	3	
Coordinate the API calling with the android team	<i>Communication</i>	<i>Backend</i>	<i>Finished</i>	1	1
Backend team meeting notes	<i>Meeting</i>	<i>Dominik</i>	<i>Finished</i>	1	1
Backend team meeting	<i>Meeting</i>	<i>Dominik</i>	<i>Finished</i>	1	1
Backend team meeting	<i>Meeting</i>	<i>Carlo</i>	<i>Finished</i>	2	1
Backend team meeting	<i>Meeting</i>	<i>Federico</i>	<i>Finished</i>	2	1
Backend team meeting	<i>Meeting</i>	<i>Lena</i>	<i>Finished</i>	2	1
Deploy backend on the VM	<i>Development</i>	<i>Dominik</i>	<i>Finished</i>	6	3
Team Meeting	<i>Meeting</i>	<i>Collective</i>	<i>Finished</i>	1	1
Sprint report	<i>Documentation</i>	<i>Carlo</i>	<i>Finished</i>	1	1

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4. Sprint Retrospective

What we did good

1. We haven't failed the deadlines
2. We correctly divided our job between internal teams, so that each team never had to worry about other stuff. Communication between teams was quite effective
3. We have a working alpha prototype!!

What we did bad

1. We communicated less. Probably that's because we've also worked less (please note that FER students were in the middle of the exam session)
2. We haven't written many unit test (that's also because main functionalities had to be tested live)

What can we improve?

1. We should be more available on Slack and communicate more
2. We should make smaller and more precise development tasks

5. Next Sprint Planning

5.1 Deliverables

1. Complete some unattended tasks from sprint 1
2. Detecting problematic areas using collected data
3. Add problematic areas to map (Web + Android)
4. Generate and display random UID
5. Enable UID on web app
6. Create cycling dashboard
7. Integrate OpenStreetMap

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5.2 Tasks¹

Task	Type	Owner	Estimated
Try some simple on-device calculations (duration, bumps?...)	Development	Android	6
Mobile App Design logic fix	Development	Saloni	6
Integrate sample app to project	Development	Saloni	6
Create simple UI for Web	Development	Sandra	6
Fix Pie and Oreo background location issue	Development	Sandra	4
Distance calculation	Development	Boris	4
Generate and display random UID	Development	Android	4
Add problematic areas to map	Development	Android	6
Create cycling dashboard (trip in progress)	Development	Android	6
Integrate OpenStreetMap - Android	Development	Izabella	6
Integrate OpenStreetMap - Web	Development	Frontend	6
Add problematic areas to map	Development	Frontend	6
Enable UID on web app	Development	Frontend	4
Trip analysis module	Development	Backend	50
Alpha prototype part1	Presentation	Carlo	4
Alpha prototype part2	Presentation	Sandra	4
Alpha prototype part3	Presentation	Federico	4
Investigate FixMyStreet module and integration	Development	Backend	15
Add FixMyStreet module to current web service	Development	Backend	10
Jenkins setup	Development	Dominik	5
Jenkins autodeployment of repo on server + running the tests	Development	Dominik	5
Clean up sprint sheet 3	Documentation	Collective	1
Create an ssh script that clones the repository and restarts the service	Development	Dominik	3

End of document

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).