



| <i>Date</i> | <i>Version</i> | <i>Description</i> | <i>Author</i> |
|-------------|----------------|--------------------|----------------|
| 28-Dec-2019 | 1.0 | Sprint Report # 5 | Carlo Casiglia |
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CYCLING ADVOCACY

for the Cyclists' Union

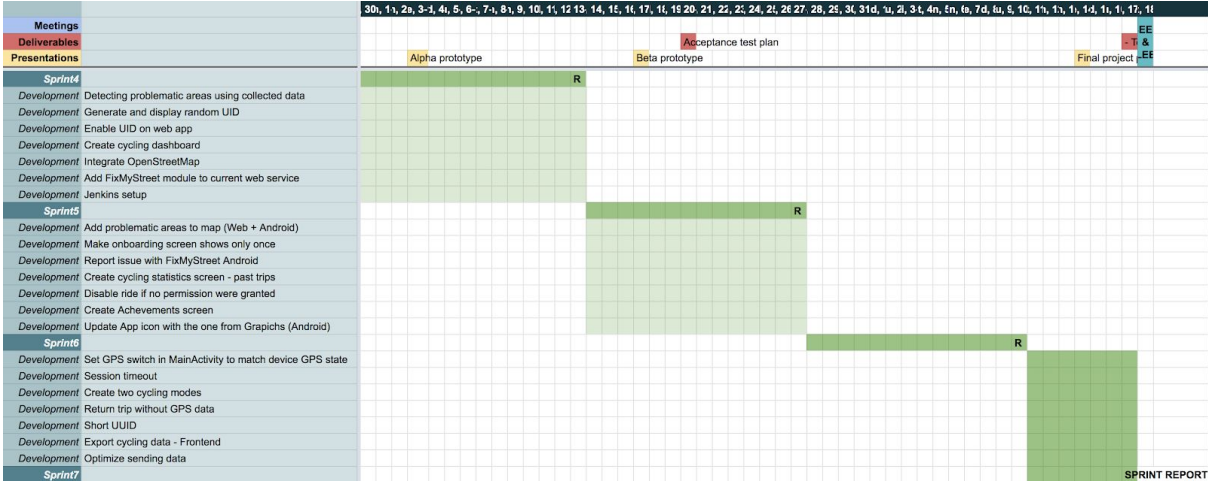
Sprint # 5

Sprint Report

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Sprint # 5



Gantt diagram of the project at this moment

1. Team and Hours of Work

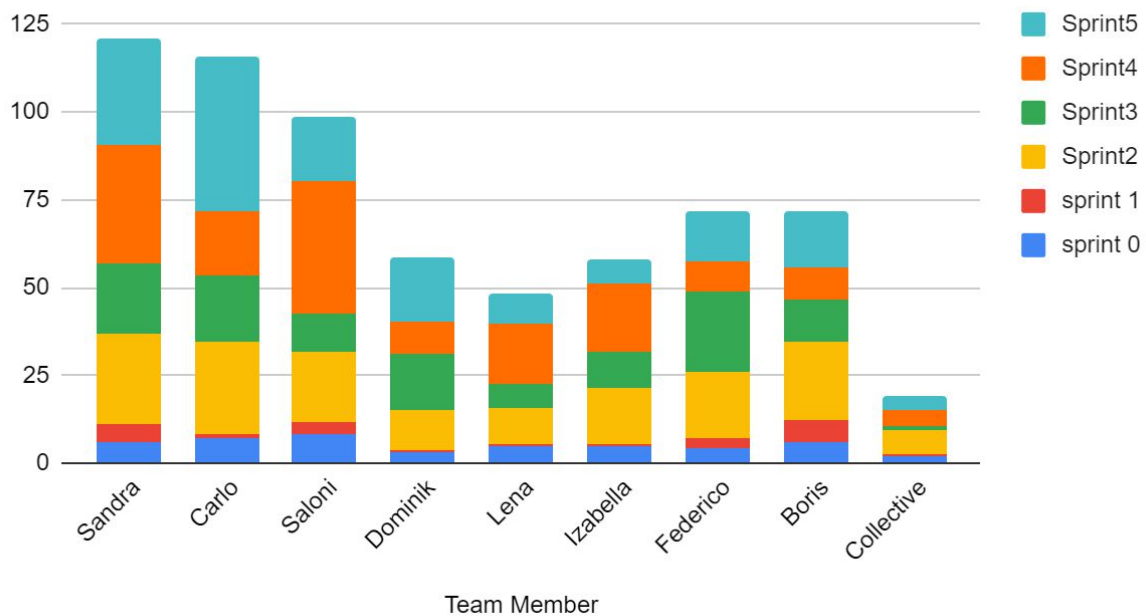
1.1 Detailed prospect

| Team Member | Hours of Work |
|-------------|---------------|
| Sandra | 30.5 |
| Carlo | 44.5 |
| Saloni | 18 |
| Dominik | 18 |
| Lena | 8.5 |
| Izabella | 7 |
| Federico | 14.5 |
| Boris | 16 |
| Collective | 4 |

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1.2 Cumulative plot

sprint 0, sprint 1, Sprint2, Sprint3, Sprint4...



2. Meetings

1. Team meeting on December 13rd
2. Team meeting on December 19th

3. Sprint Overview

3.1 Deliverables

Items selected for the sprints:

Epic: motion data analysis and API renovation

1. Trips contains statistics to be shown to the users
2. Data types returned by the API are adjusted for various frontend needs
3. Motion data are analyzed to produce road quality measurement

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3.2 Detailed Task Report

| Task | Type | Owner | Status | Estimation | Effective |
|---|----------------------|----------------|--------------------|-------------------|------------------|
| Accumulated-vibrations calculation | <i>Development</i> | <i>Boris</i> | <i>Finished</i> | 6 | 5 |
| Send working hours and general sprint planning during holidays | <i>Communication</i> | <i>Sandra</i> | <i>Finished</i> | 0.5 | 0.5 |
| Timer implementation | <i>Development</i> | <i>Sandra</i> | <i>Finished</i> | 4 | 1 |
| Integrate sample app for data collection to project | <i>Development</i> | <i>Sandra</i> | <i>Finished</i> | 6 | 6 |
| Add problematic areas to map - Android | <i>Development</i> | <i>Android</i> | <i>Blocked</i> | 4 | |
| Make onboarding screen shows only once (using preferences) | <i>Development</i> | <i>Sandra</i> | <i>Finished</i> | 2 | 1 |
| Integrate Report issue with FixMyStreet Android | <i>Development</i> | <i>Android</i> | <i>Next Sprint</i> | 5 | |
| Investigate if it is possible to change blue color on speedometer | <i>Development</i> | <i>Saloni</i> | <i>Finished</i> | 4 | 4 |
| Android: Retrieve and display list of past trips | <i>Development</i> | <i>Boris</i> | <i>Next Sprint</i> | 5 | 3 |
| Android: Display past trip data | <i>Development</i> | <i>Boris</i> | <i>Next Sprint</i> | 5 | |
| Create cycling statistics screen - past trips - Android | <i>Development</i> | <i>Saloni</i> | <i>Next Sprint</i> | 5 | |
| Disable ride if no permission were granted | <i>Development</i> | <i>Android</i> | <i>Next Sprint</i> | 2 | |
| Fix Pie and Oreo background location issue | <i>Development</i> | <i>Sandra</i> | <i>Finished</i> | 4 | 4 |
| Fix buttons position, background of settings , add clickable background to all btn/clickable images | <i>Development</i> | <i>Android</i> | <i>Next Sprint</i> | 4 | |
| Check motion sensors availability -> leave empty + header | <i>Development</i> | <i>Boris</i> | <i>Finished</i> | 4 | 4 |
| Add toolbar to MainActivity and TripInProgressActivity + back/home btns | <i>Development</i> | <i>Sandra</i> | <i>Finished</i> | 3 | 1 |
| Create cycling dashboard (trip in progress) | <i>Development</i> | <i>Saloni</i> | <i>Finished</i> | 8 | 8 |
| Create Achievements screen - when Achievement is accomplished | <i>Development</i> | <i>Android</i> | <i>Next Sprint</i> | 3 | |

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|--|----------------------|-------------------|--------------------|----|---|
| Add achievement logic (how to know when it is completed) | <i>Development</i> | <i>Sandra</i> | <i>Next Sprint</i> | 4 | 2 |
| Update App icon with the one from Grapichs | <i>Development</i> | <i>Saloni</i> | <i>Next Sprint</i> | 1 | |
| Add devideUUID | <i>Development</i> | <i>Sandra</i> | <i>Finished</i> | 2 | 1 |
| Fix Todo | <i>Development</i> | <i>Android</i> | <i>Next Sprint</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> | <i>Finished</i> | 4 | 2 |
| Add problematic areas to map - Web | <i>Development</i> | <i>Frontend</i> | <i>Blocked</i> | 4 | |
| Create cycling statistics screen - past trips - Web | <i>Development</i> | <i>Izabella</i> | <i>Next Sprint</i> | 6 | 1 |
| Make past trips with UUID in the link URL | <i>Development</i> | <i>Frontend</i> | <i>Next Sprint</i> | 6 | |
| Beta prototype ppt - introduction | <i>Presentation</i> | <i>Lena</i> | <i>Finished</i> | 2 | 2 |
| Beta prototype ppt- skeleton | <i>Presentation</i> | <i>Saloni</i> | <i>Finished</i> | 2 | 2 |
| Beta prototype ppt | <i>Presentation</i> | <i>Collective</i> | <i>Finished</i> | 4 | 4 |
| Create Video for beta prototype | <i>Presentation</i> | <i>Dominik</i> | <i>Finished</i> | 4 | 8 |
| Create Video for beta prototype | <i>Presentation</i> | <i>Carlo</i> | <i>Cancelled</i> | 4 | |
| Requirements Document Updates | <i>Documentation</i> | <i>Sandra</i> | <i>Finished</i> | 8 | 4 |
| Design Document Updates | <i>Documentation</i> | <i>Lena</i> | <i>Next Sprint</i> | 8 | |
| Acceptance Test Document | <i>Documentation</i> | <i>Sandra</i> | <i>Finished</i> | 4 | 6 |
| Backend team meeting 13.12 MOM | <i>Meeting</i> | <i>Dominik</i> | <i>Finished</i> | 1 | 1 |
| Investigate FixMyStreet module and integration | <i>Development</i> | <i>Lena</i> | <i>Next Sprint</i> | 15 | 0 |
| Jenkins setup | <i>Development</i> | <i>Dominik</i> | <i>Paused</i> | 5 | |
| Jenkins autodeployment of repo on server + running the tests | <i>Development</i> | <i>Dominik</i> | <i>Paused</i> | 5 | |
| Add FixMyStreet module to current web service | <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 | |
| 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>Federico</i> | <i>Next Sprint</i> | 8 | 8 |

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|---|----------------------|-----------------|--------------------|-----|-----|
| Delete old path and produce new paths | <i>Development</i> | <i>Federico</i> | <i>Next Sprint</i> | 8 | 1 |
| Backend team meeting | <i>Meeting</i> | <i>Carlo</i> | <i>Finished</i> | 1 | 1.5 |
| Backend team meeting | <i>Meeting</i> | <i>Dominik</i> | <i>Finished</i> | 1 | 1.5 |
| Backend team meeting | <i>Meeting</i> | <i>Lena</i> | <i>Finished</i> | 1 | 1.5 |
| Backend team meeting | <i>Meeting</i> | <i>Federico</i> | <i>Finished</i> | 1 | 1.5 |
| Calculate path quality from the path and motion data 1 | <i>Development</i> | <i>Carlo</i> | <i>Next Sprint</i> | 10 | 8 |
| Calculate path quality from the path and motion data 2 | <i>Development</i> | <i>Dominik</i> | <i>Next Sprint</i> | 5 | 1 |
| Sprint4 report | <i>Scrumming</i> | <i>Carlo</i> | <i>Finished</i> | 1 | 2 |
| Set up trip analysis engine on the queueing system | <i>Development</i> | <i>Carlo</i> | <i>Finished</i> | 10 | 10 |
| Handle motion data analysis on the queuing system | <i>Development</i> | <i>Carlo</i> | <i>Finished</i> | 10 | 10 |
| Handle update map on the queuing system | <i>Development</i> | <i>Carlo</i> | <i>Next Sprint</i> | 10 | 1 |
| Ensure that all files are ready before starting analysis | <i>Development</i> | <i>Carlo</i> | <i>Finished</i> | 10 | 1 |
| Send a doodle for the supervisor meeting on 7.1.2020 | <i>Communication</i> | <i>Dominik</i> | <i>Finished</i> | 0,5 | 0.5 |
| Calucate max speed, avg speed, elevation - changes in API | <i>Development</i> | <i>Carlo</i> | <i>Finished</i> | 4 | 6 |
| Remove GPS data from getTripByDeviceUUID | <i>Development</i> | <i>Federico</i> | <i>Next Sprint</i> | 1 | |
| Update API for all changes | <i>Development</i> | <i>Federico</i> | <i>Next Sprint</i> | 2 | |
| Check FMS integration | <i>Development</i> | <i>Dominik</i> | <i>Next Sprint</i> | 8 | 0 |
| Internal team meeting MoM 19.12 | <i>Meeting</i> | <i>Dominik</i> | <i>Finished</i> | 1 | 1 |
| Supervisor meeting MoM 16.12 | <i>Meeting</i> | <i>Dominik</i> | <i>Finished</i> | 1 | 1 |
| UC diagrams updating | <i>Documentation</i> | <i>Lena</i> | <i>Finished</i> | 1 | 1 |
| Sprint5 Report | <i>Scrumming</i> | <i>Carlo</i> | <i>In Progress</i> | 1 | 1 |

4. Sprint Retrospective

4.1 What we did good

1. We kept working and communicated even if it was Christmas
2. Communication between teams was improved

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4.2 What we did bad

1. We didn't delivered the items on time (motion analysis isn't complete and API isn't deployed yet. It was Christmas though, and some of the people were on holiday).

5. Next Sprint Planning

5.1 Deliverables

Epic: Towards final product

1. Finish motion data analysis
2. Finish map update
3. Expose the road quality map
4. Debug

5.2 Tasks¹

| <i>Task</i> | <i>Type</i> | <i>Owner</i> | <i>Estimated</i> |
|---|-------------|--------------|------------------|
| Keep the screen awake while trip's on progress | Development | Android | 2 |
| Add delete trip option - discuss if it needs to be deleted completly from db or just not visible to this user anymore | Development | Collective | |
| Android: Retrieve and display list of past trips | Development | Boris | 5 |
| Android: Display past trip data | Development | Boris | 5 |
| Integrate Report issue with FixMyStreet Android | Development | Android | 5 |
| Create cycling statistics screen - past trips - Android | Development | Saloni | 5 |
| Disable ride if no permission were granted | Development | Android | 2 |
| Fix buttons position, background of settings , add clickable background to all btn/clickable images | Development | Android | 4 |
| Create Achievements screen - when Achievement | Development | Android | 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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| is accomplished | | | |
| Add achievement logic (how to know when it is completed) | Development | Sandra | 4 |
| Update App icon with the one from Grapichs | Development | Saloni | 1 |
| Fix Todo | Development | Android | 6 |
| Add problematic areas to map - Web | Development | Frontend | 4 |
| Create cycling statistics screen - past trips - Web | Development | Izabella | 6 |
| Make past trips with UUID in the link URL | Development | Frontend | 6 |
| Jenkins setup | Development | Dominik | 5 |
| Jenkins autodeployment of repo on server + running the tests | Development | Dominik | 5 |
| Add FixMyStreet module to current web service | Development | Backend | 10 |
| Expose map data in a suitable format | Development | Backend | 5 |
| Assign average road quality measure to path | Development | Backend | 8 |
| Join the end of existing path with new trip | Development | Federico | 8 |
| Delete old path and produce new paths | Development | Federico | 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 |
| Remove GPS data from getTripByDeviceUUID | Development | Federico | 1 |
| Update API for all changes | Development | Federico | 2 |
| Check FMS integration | Development | Dominik | 8 |
| Design Document Updates | Documentation | Lena | 8 |
| Investigate FixMyStreet module and integration | Development | Lena | 15 |

End of document