



MapRoulette

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Agenda

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- **Set Up**
 - **Signing In**
 - **Navigation**
- **Working on a Challenge**
- **Examples**
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Objective

Objective

**Gain a understanding of what is
MapRoulette and how to use it.**



What is MapRoulette?

MapRoulette

- “MapRoulette (MapRoulette.org) is a gamified approach to fixing OSM bugs that breaks common OpenStreetMap data problems into micro tasks.”

- Tasking to fix bugs

English Create account Log in

Page Discussion Read View source View history Search OpenStreetMap Wiki



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MapRoulette

MapRoulette - Other languages čeština · Deutsch · English · français · português · 日本語 · Other languages · Translate

MapRoulette (MapRoulette.org) is a gamified approach to fixing OSM bugs that breaks common OpenStreetMap data problems into micro tasks. Grab yourself a small task and start improving OpenStreetMap!

Contents [hide]

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- 6 See also
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- 8 September 2019 US Competition

User and Developer Documentation

See here

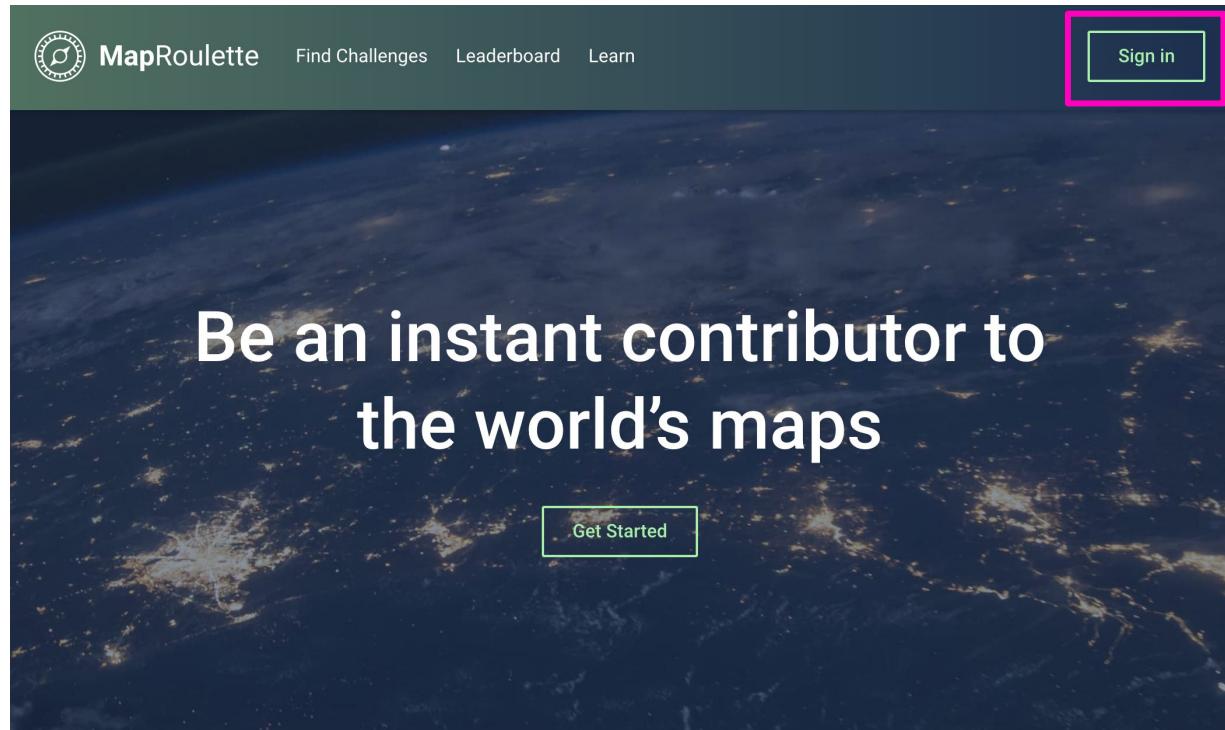
Recent News

Authors Martijn van Exel, for contributors see GitHub
License MIT (free of charge)
Platform Web
Version 3.5.2 (2019-12-18)
Language English
Website <https://maproulette.org/>
Source code <https://github.com/osmlab/maproulette3> (web site / front end) and <https://github.com/maproulette/maproulette2> (server / back end)
Programming language JavaScript
Micro-task platform for OpenStreetMap

Signing In

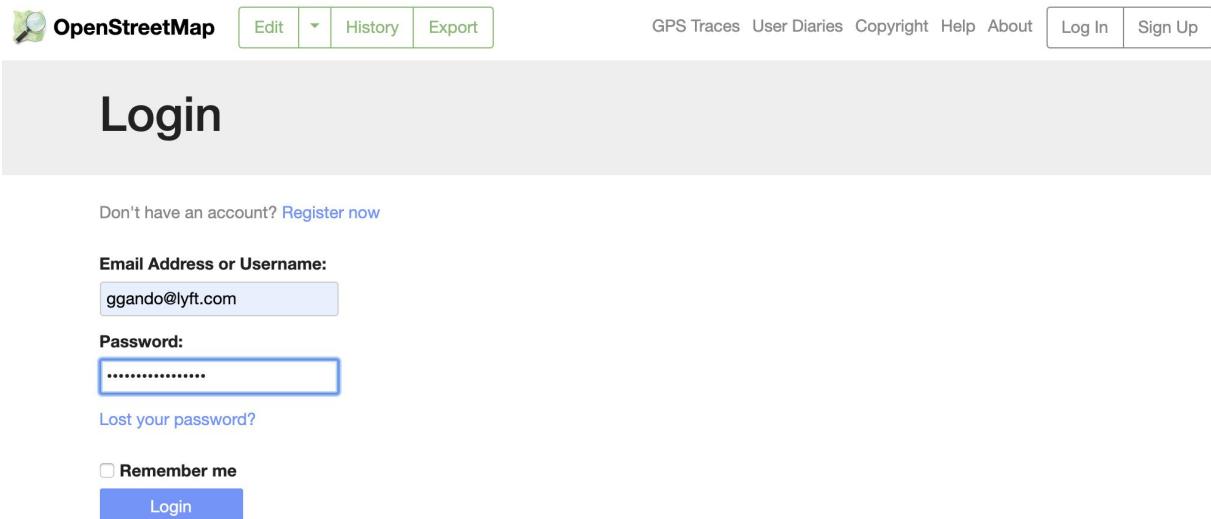
MapRoulette.org

- MapRoulette.org
- Click on  on the top right corner



Directed to OSM

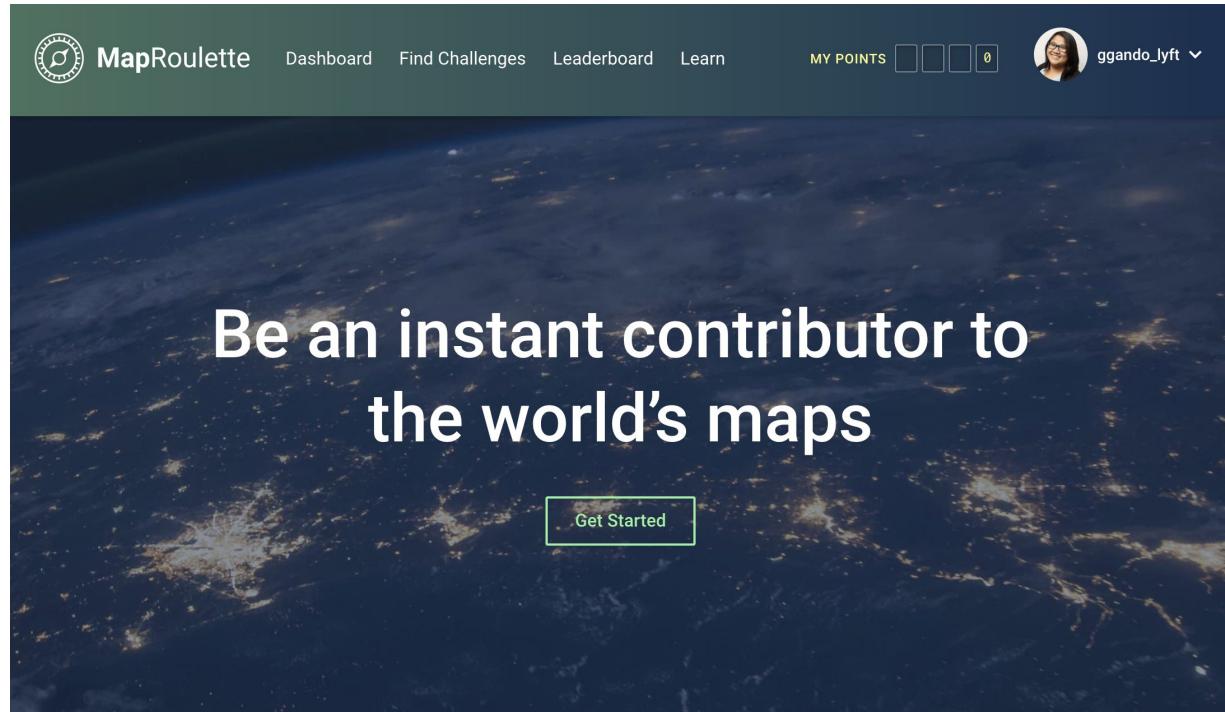
- Redirected toward OSM to login
- Use Lyft OSM account to Login



The screenshot shows the OpenStreetMap login interface. At the top, there is a navigation bar with links for GPS Traces, User Diaries, Copyright, Help, and About. On the far right of the bar are "Log In" and "Sign Up" buttons. Below the navigation bar, the word "Login" is centered in a large, bold font. Underneath "Login", there is a link to "Register now". The main form consists of two input fields: one for "Email Address or Username" containing "ggando@lyft.com" and another for "Password" which is obscured by dots. Below the password field is a link to "Lost your password?". There is also a checkbox labeled "Remember me" and a blue "Login" button at the bottom of the form.

Logged Into MapRoulette

- After successfully login in



Navigation

MapRoulette

Menu

Main Page
(Where we
are)

The image shows the homepage of MapRoulette. At the top, there is a navigation bar with the MapRoulette logo, a 'Dashboard' link, a 'Find Challenges' link, a 'Leaderboard' link, a 'Learn' link, and a 'MY POINTS' section showing 0 points. A user profile picture for 'ggando_lyft' is also present. Below the navigation bar is a large, dark satellite image of Earth at night, showing city lights. Overlaid on this image is the text 'Be an instant contributor to the world's maps' in white. At the bottom center, there is a green-bordered button labeled 'Get Started'.

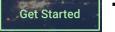
Dashboard

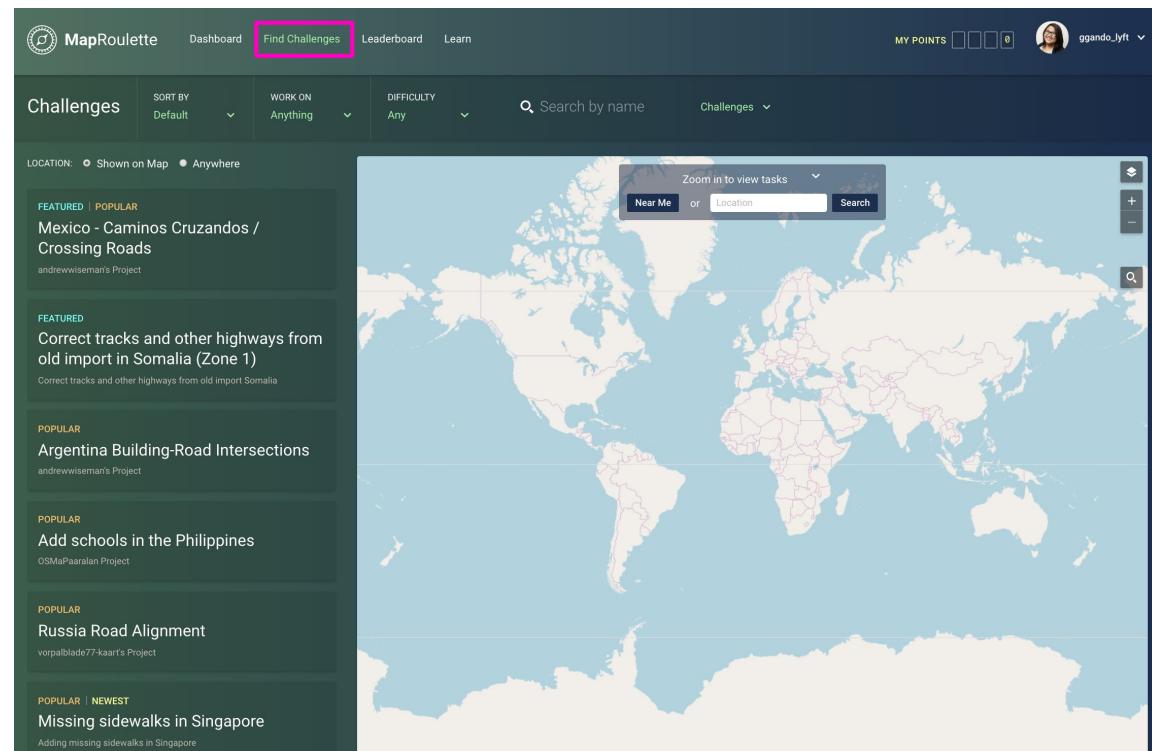
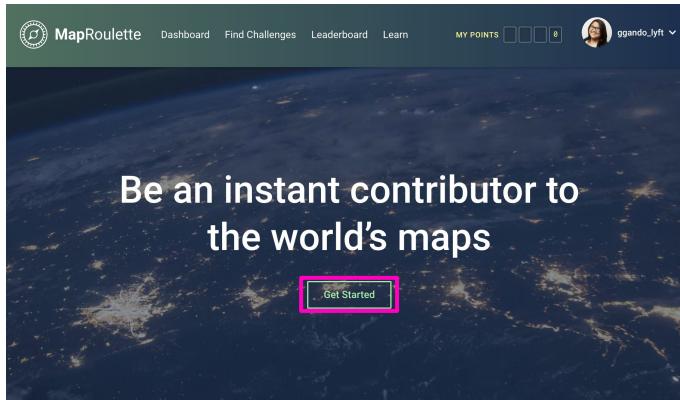
- Displays Stats and Challenges, such as:
 - Feature Challenges
 - Popular Challenges
 - Your Top Challenges
 - Save Challenges
 - Tracked Tasks
 - Your Recently Activity

The screenshot shows the MapRoulette dashboard with a dark blue header and a grid of six sections. The header includes the MapRoulette logo, a navigation bar with 'Dashboard' (highlighted with a red box), 'Find Challenges', 'Leaderboard', and 'Learn', and a user profile for 'ggando_lyft'. The top right corner shows 'MY POINTS' with a value of 8. The dashboard has an 'Edit Layout' button and a note 'Current layout: Dashboard'.

- FEATURED CHALLENGES:** No Challenges
- POPULAR CHALLENGES:** Change crossing=island (deprecated) in crossing:island=yes, Phone or fax number is not in international format (ITU-T E.164) - Germany (Lower Saxony / Niedersachsen), Mexico - Caminos Cruzandos / Crossing Roads, Argentina Building-Road Intersections, Turning solar panel nodes into areas for better estimation of power - Europe
- YOUR TOP CHALLENGES:** No Challenges (with a dropdown menu showing 'Past Month')
- SAVED CHALLENGES:** No Challenges
- TRACKED TASKS:** No Tasks
- YOUR RECENT ACTIVITY:** NO RECENT ACTIVITY

Finding Challenges

- This is where tasks generate
- Another way to navigate to this page is by clicking on  the home page



MapRoulette Dashboard Find Challenges Leaderboard Learn

MY POINTS 0 ggando_lyft

Challenges SORT BY Default WORK ON Anything DIFFICULTY Any Search by name Challenges

LOCATION: • Shown on Map • Anywhere

FEATURED | POPULAR Mexico - Caminos Cruzandos / Crossing Roads andrewwisemans Project

FEATURED Correct tracks and other highways from old import in Somalia (Zone 1) Correct tracks and other highways from old import Somalia

POPULAR Argentina Building-Road Intersections andrewwisemans Project

POPULAR Add schools in the Philippines OSMaPaaran Project

POPULAR Russia Road Alignment vorpalblade77-kaart's Project

POPULAR | NEWEST Missing sidewalks in Singapore Adding missing sidewalks in Singapore

Zoom in to view tasks Near Me or Location Search

Leaderboard

- MapRoulette is like a game
- As you earn points you move up in the leaderboard
- This creates some friendly competition

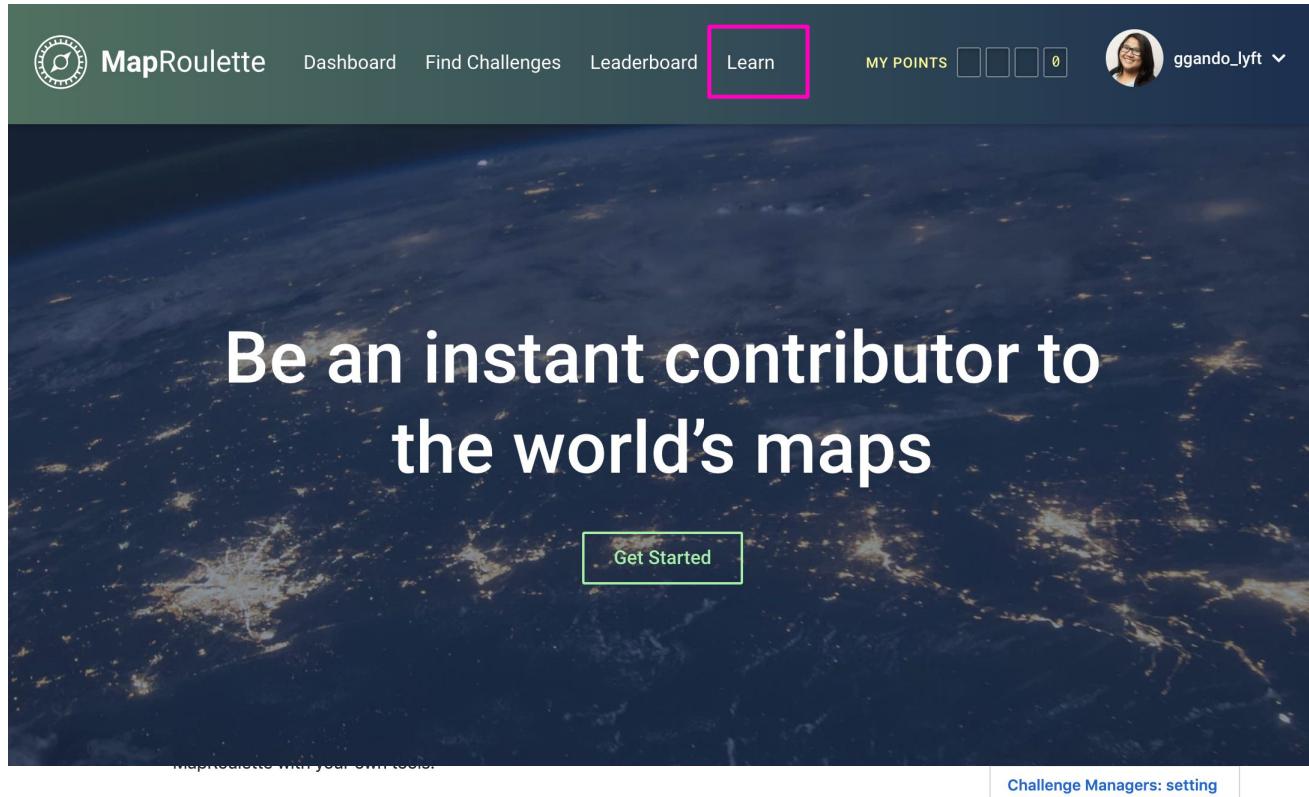
The screenshot shows the 'Global Leaderboard' on the MapRoulette website. The 'Leaderboard' tab is highlighted with a pink box. The page is updated every 15 minutes. The top three users are displayed:

Rank	User	Points	Top Challenges
1	Pepilepioux	102,310 Points	Oneway=-1 in Italy bridges without layer in Oberöster... bridges without layer in Niederö... bridges without layer in Steiermark
2	MikeN	87,003 Points	Crossing Ways: Highway-Railway, US Crossing Type: Highway-Railway, US Crossing Type: Pedestrian-Railwa... Crossing Ways: Pedestrian-Railwa...
3	Eva Blue	86,235 Points	Crossing Type: Highway-Railway, US

Below the top three, user Ddoolittle86 is ranked 4th with 79,223 points, and user Shaun Austin is ranked 5th with 72,441 points. Each user profile includes their profile picture and a link to their top challenges.

Learn

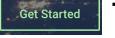
- Opens a new tab in GitHub
- Since MapRoulette is OpenSource they have posted their code into GitHub

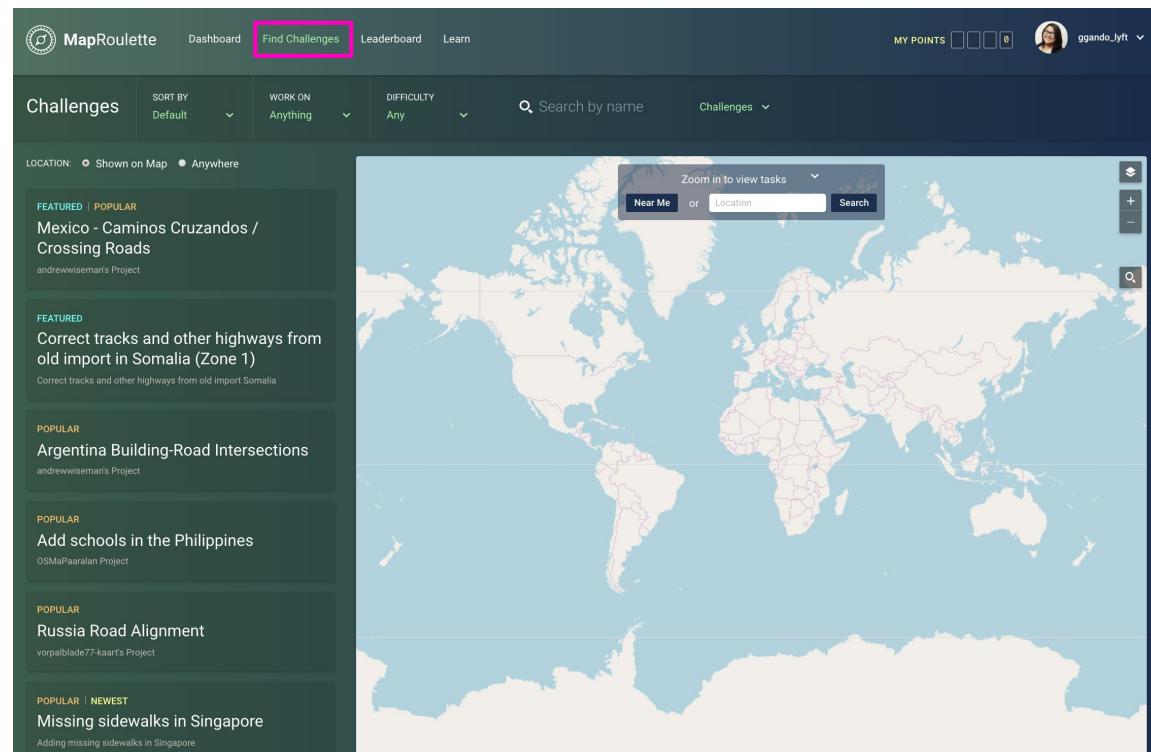
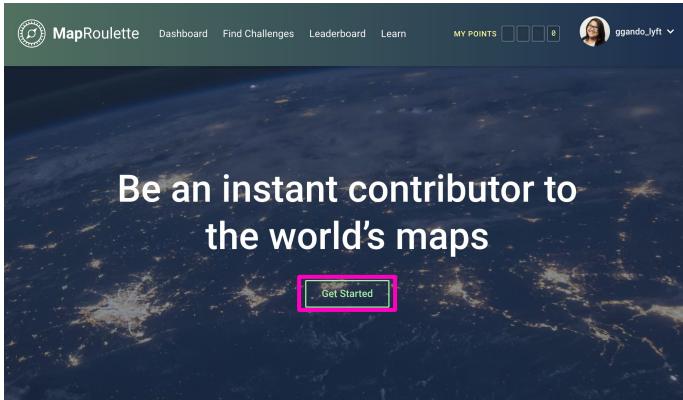


The screenshot shows the MapRoulette homepage. At the top, there is a navigation bar with links: Dashboard, Find Challenges, Leaderboard, Learn (which is highlighted with a pink box), and MY POINTS (showing 0 points). On the right side of the top bar is a user profile picture of a woman with glasses and the handle ggando_lyft. Below the navigation bar is a large banner image of Earth from space, showing city lights at night. Overlaid on this image is the text "Be an instant contributor to the world's maps" in large white font. At the bottom center of the page is a green "Get Started" button. At the very bottom of the page, there is some small text and a link to "Challenge Managers: setting up challenges with your own tools".

Working on a Challenge

Challenges

- Navigate to the Challenge page
- Another way to navigate to this page is by clicking on  the home page



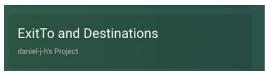
The image shows the 'Challenges' page of MapRoulette. The 'Find Challenges' tab is active. On the right, a world map displays numerous challenges as small red dots, with a larger cluster in Africa. On the left, five specific challenges are listed:

- Mexico - Caminos Cruzandos / Crossing Roads** (andrewwisemans Project)
- Correct tracks and other highways from old import in Somalia (Zone 1)** (Correct tracks and other highways from old import Somalia)
- Argentina Building-Road Intersections** (andrewwisemans Project)
- Add schools in the Philippines** (OSMaPaaralan Project)
- Russia Road Alignment** (vorpalblade77-kaart's Project)
- Missing sidewalks in Singapore** (Adding missing sidewalks in Singapore)

Filtering options like 'LOCATION', 'FEATURED', 'POPULAR', and 'DIFFICULTY' are available at the top, along with a search bar and a 'Near Me' button.

Challenges

- Navigate to the Challenge page
- For this Example



The screenshot shows the MapRoulette challenge page. At the top, there are filters for 'Challenges', 'Sort by Default', 'Work on Anything', and 'Difficulty Any'. Below the filters is a search bar and a 'Clear Filters' button. The main area features a map of the San Francisco Bay Area with various challenges marked by orange circles containing numbers. A legend on the left side of the map indicates different challenge types. The map includes labels for cities like Daly City, South San Francisco, San Bruno, Millbrae, Burlingame, Hillsborough, Foster City, San Mateo, Belmont, San Carlos, Redwood City, Menlo Park, and Palo Alto. It also shows the San Francisco Peninsula Watershed and several parks.

Working Challenges

- See the following 2 example for more information on working challenges

MapRoulette Dashboard Find Challenges Leaderboard Learn

MY POINTS 0 ggando_lyft

Edit Layout

Current layout: Task Completion

ExitTo and Destinations

danielj's Project | Contact Owner

Task locked | Unlock

INSTRUCTIONS

There should be a destination way tag here based on the exit_to tag on the motorway junction - can you add it?

COMPLETION

Add MR Tags | Edit in ID (web editor)

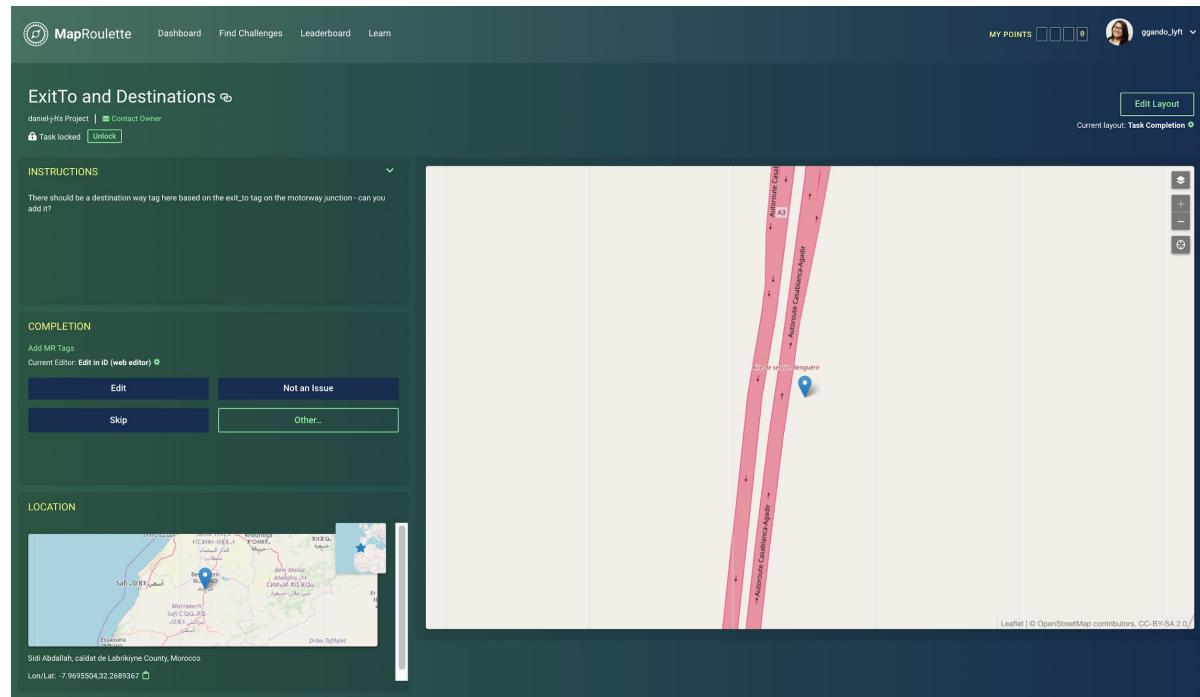
Not an Issue

Edit Skip Other...

LOCATION

Sidi Abdallah, caidat de Labrikyne County, Morocco

Lon/Lat: -7.9695504,32.2689367



Completion of Challenge

- Once task is reviewed at 5 options to continue



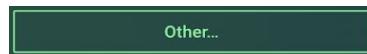
- Made edits



- Imagery hinders you from completing task



- Nothing in the task needed to be edited



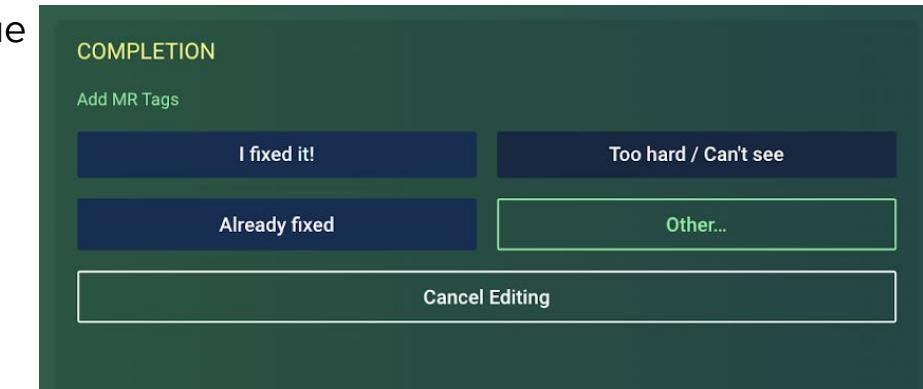
- Contains 2 more options, shown in a drop down menu



- Skips the task



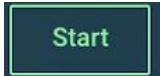
- Report that the task was not a issue in the first place

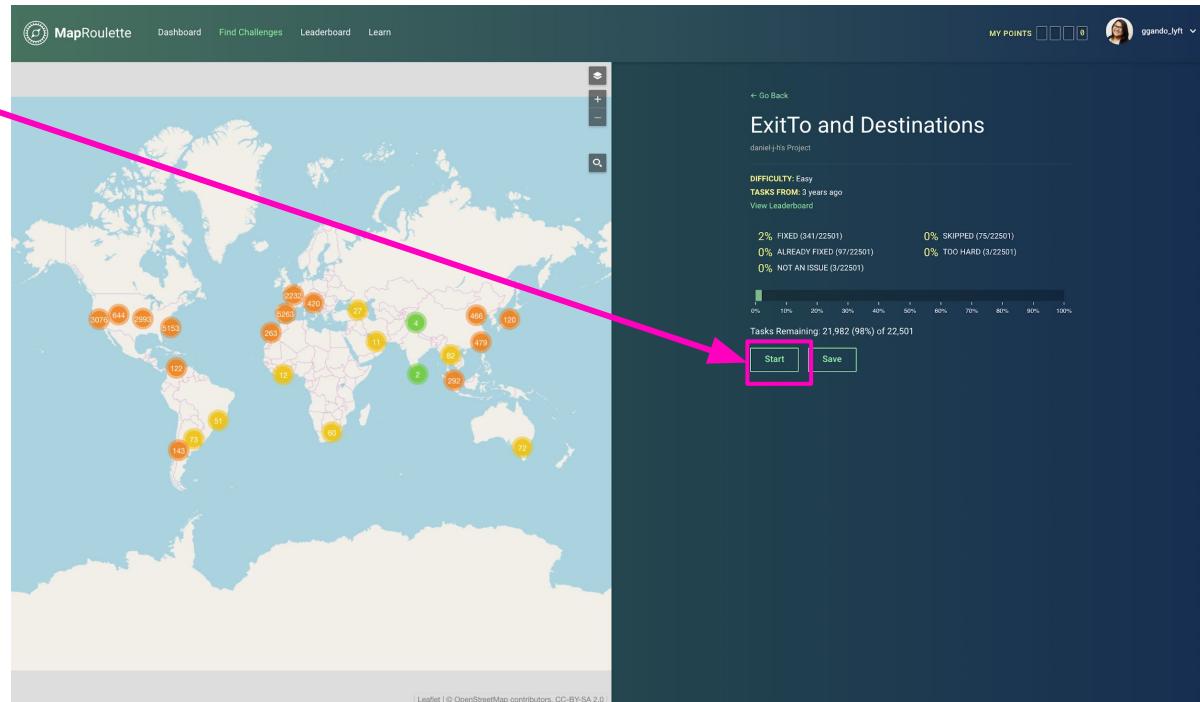


- Cancel Editing
- Did not complete task
- After submitting a task another one is immediately assigned, use this button to get out of the task cycle and back to overall task page

Example 1

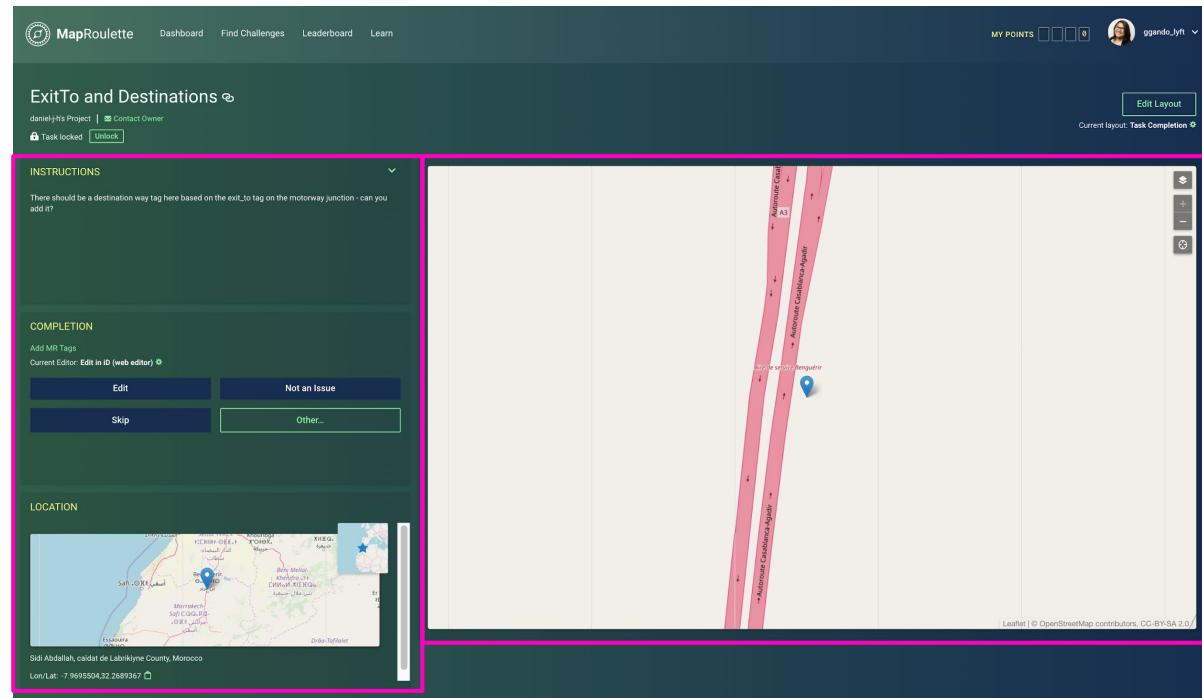
Example Challenge

- Click on  to start a challenge



Example Challenge

- Your first task will be automatically assigned
- Right side should display the area of focus
- Left panel
 - Instructions
 - Completion
 - Buttons to wrap up task
 - Location
 - Where you are in the world

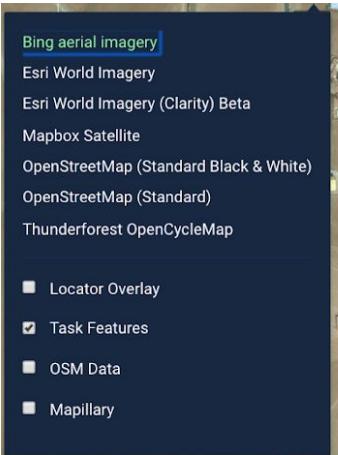


Example Challenge

- On the top right corner, click on the layer button



- Get options of changing the aerial imagery in MapRoulette



MapRoulette Dashboard Find Challenges Leaderboard Learn

MY POINTS [] ggando_lyft

Edit Layout

Current layout: Task Completion

ExitTo and Destinations

danielj's Project | Contact Owner

Task locked [Unlock](#)

INSTRUCTIONS

There should be a destination way tag here based on the `exit_to` tag on the motorway junction - can you add it?

CURRENT EDITOR: Edit in iD (web editor)

COMPLETION

Add MR Tags

Edit Not an Issue

Skip Other...

LOCATION

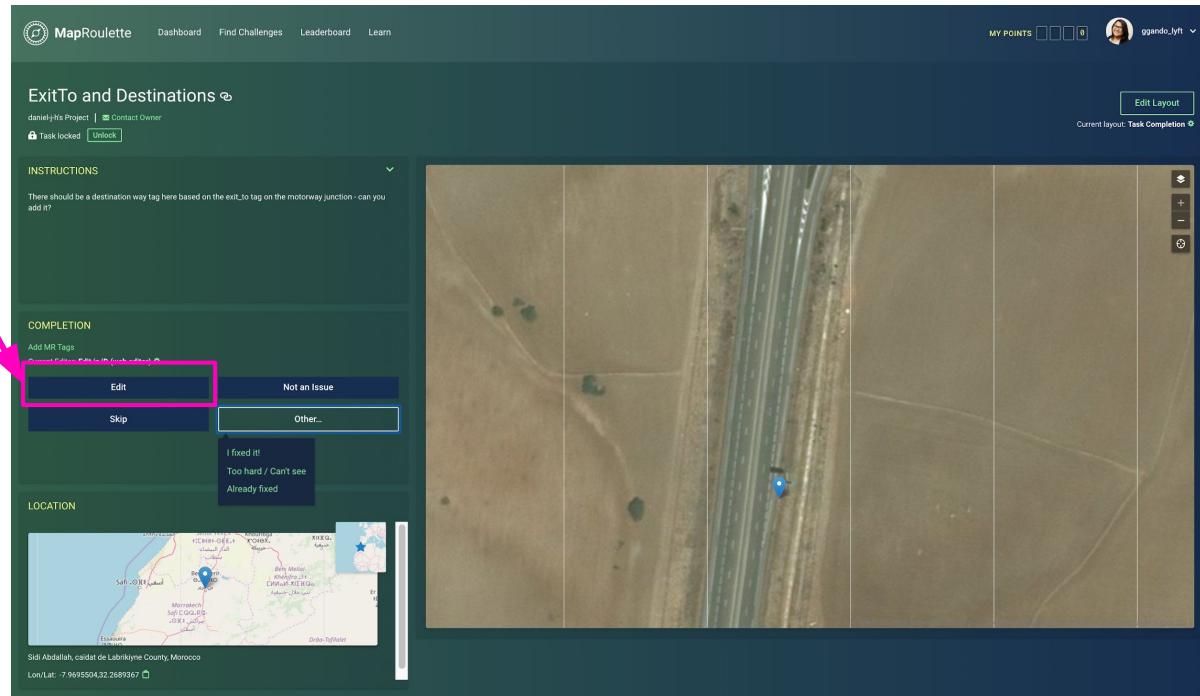
Sidi Abdallah, caidat de Labrikyne County, Morocco
Lon/Lat: -7.999504,32.2689367

Bing aerial imagery
Esri World Imagery
Esri World Imagery (Clarity) Beta
Mapbox Satellite
OpenStreetMap (Standard Black & White)
OpenStreetMap (Standard)
Thunderforest OpenCycleMap

Locator Overlay
 Task Features
 OSM Data
 Mapillary

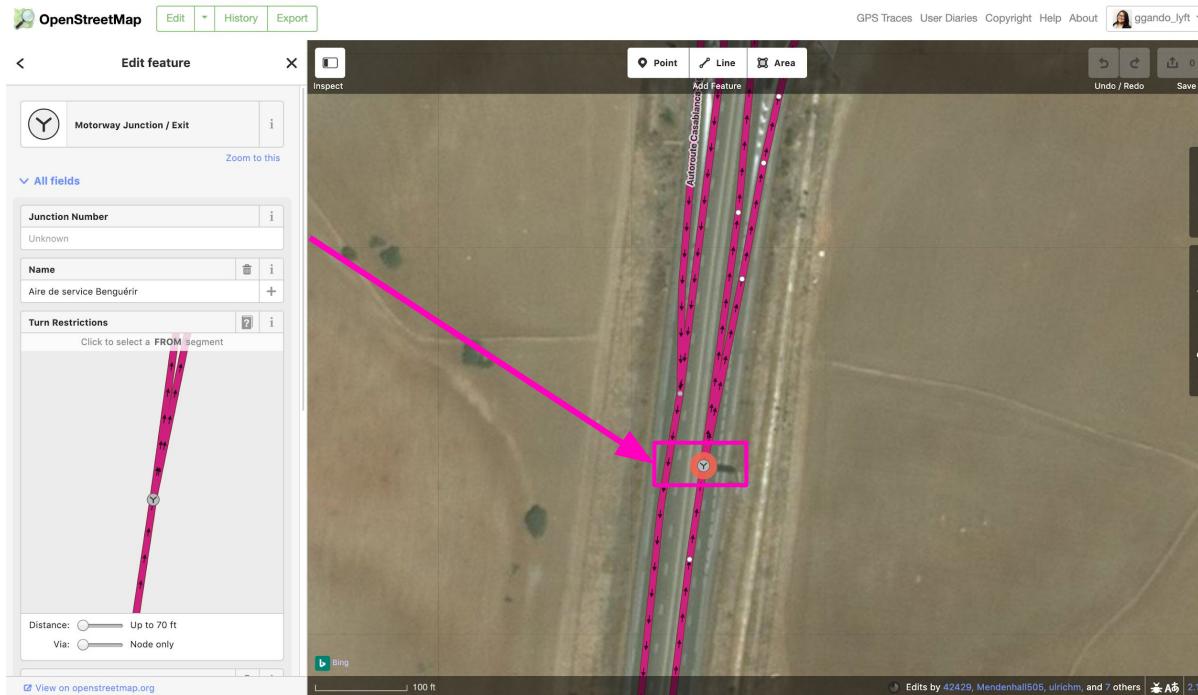
Example Challenge

- To start working on the assigned task click on the **Edit** button
- Then you will be redirected to iDeditor



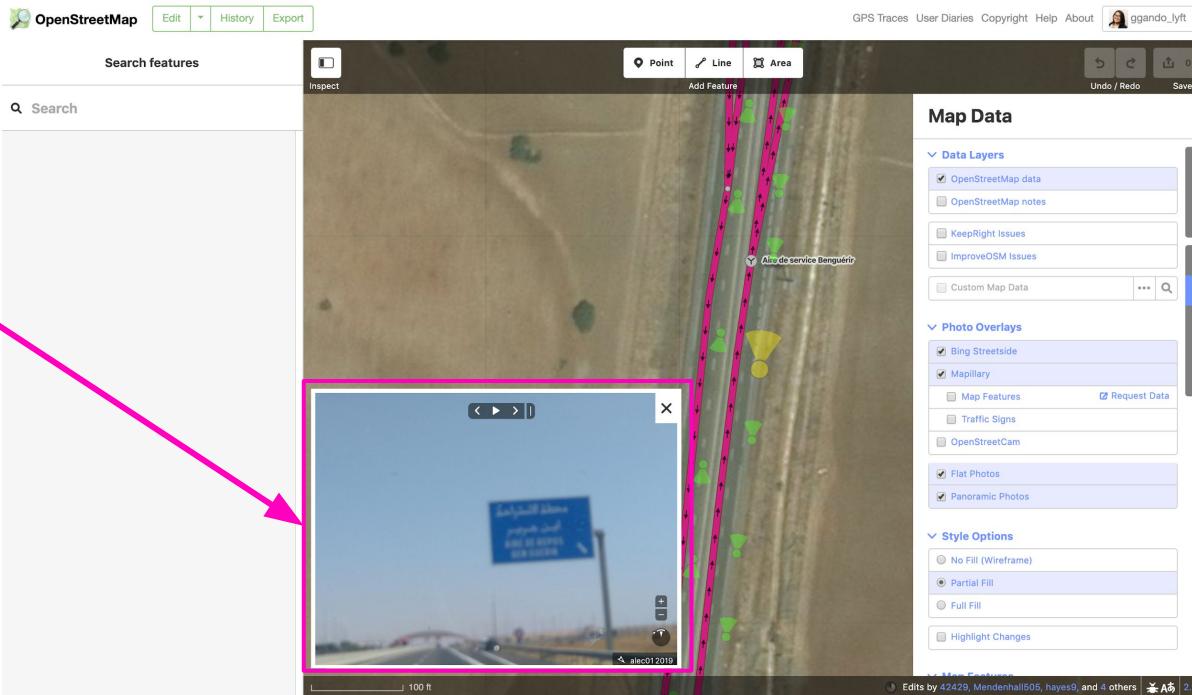
Example Challenge

- Task will open in iDeditor in another tab
- Locate node or way that was indicated in MapRoulette
 - Unfortunately node or way will not be preselected
- Recommend to have MapRoulette and iDeditor open side by side



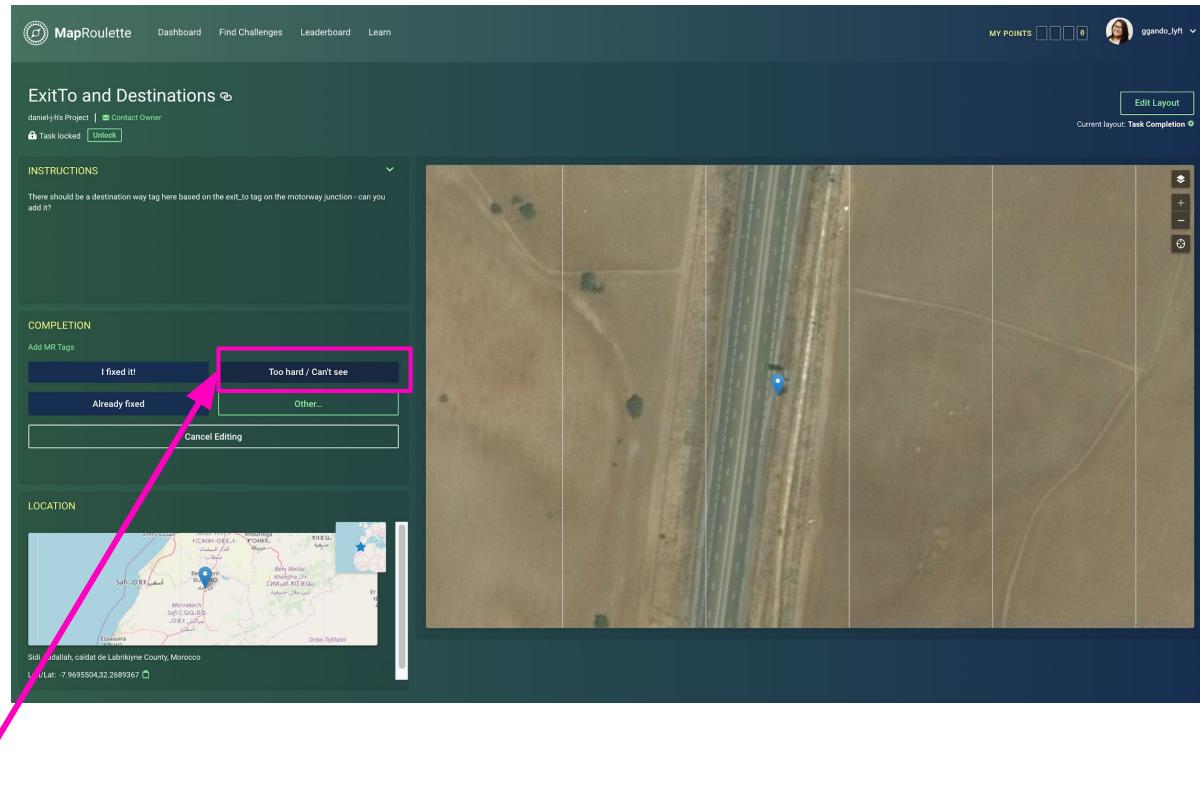
Example Challenge

- Use imagery and open source resources to complete task
- Example
 - Using first person imagery to look for a exit sign

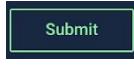


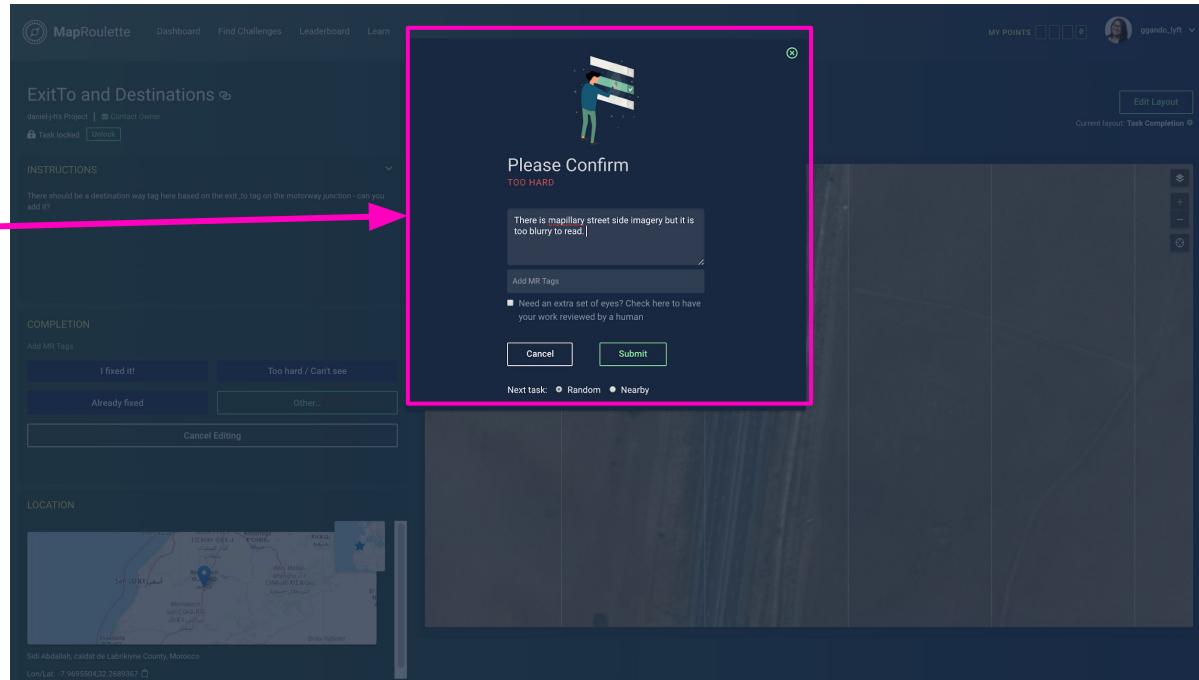
Example Challenge

- Once any OSM changeset that were made were uploaded
- Go back to the original tab
- Example
 - This particular task did not have good enough imagery to read the sign
 - Click on this completion button



Example Challenge

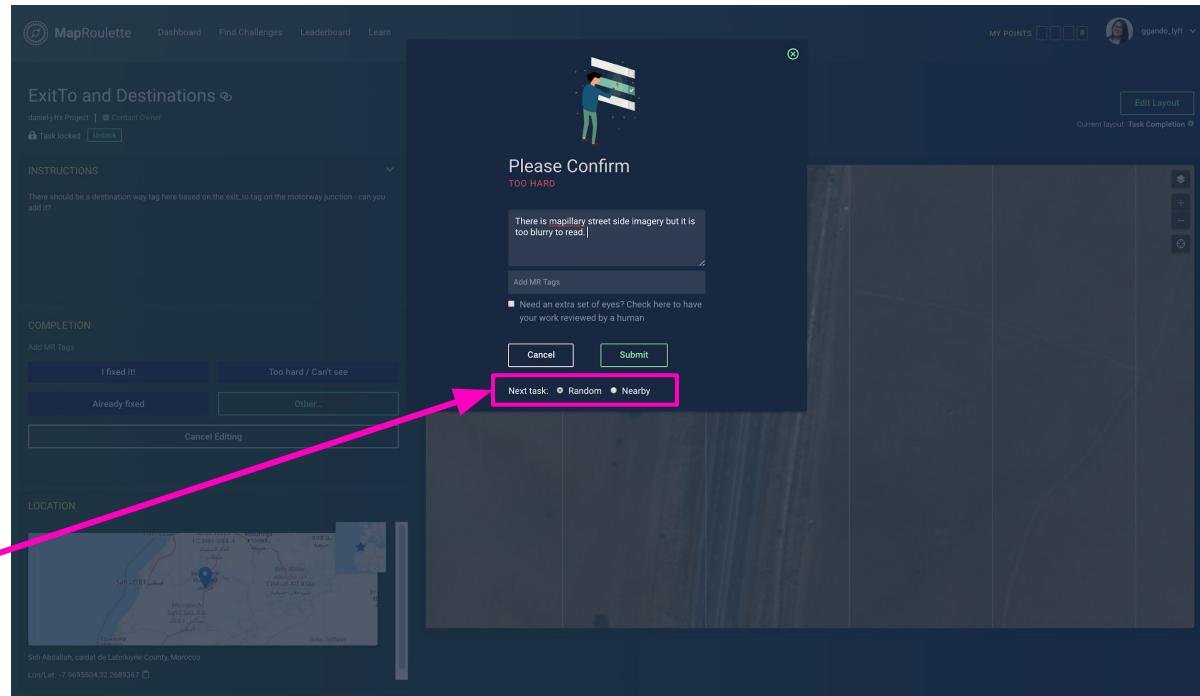
- After clicking on a completion button a confirmation window will appear
- Example
 - “There is mapillary street side imagery but it too blurry to read.”
 - Click on the  button



Example Challenge

- Have the ability to get your next task in:
 - a random location
 - or
 - nearby location

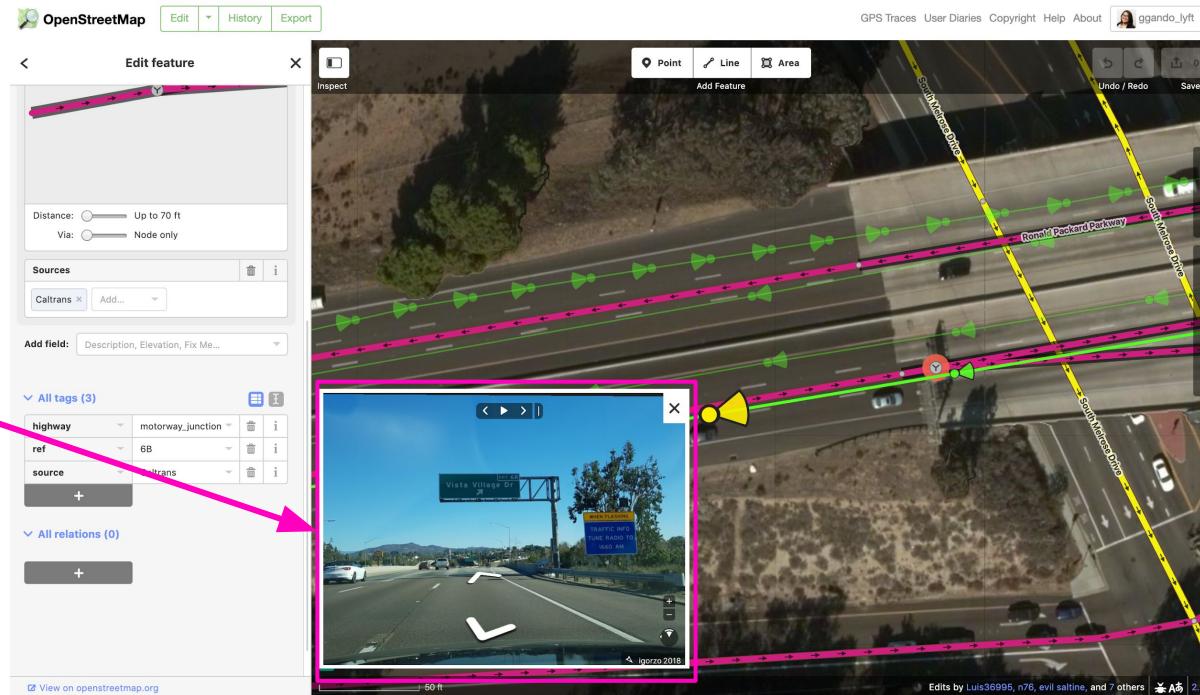
Next task: Random Nearby



Example 2

Example Challenge 2

- Opened another task in the same challenge
- In a different area
- Using open source first person imagery that is available



Example Challenge 2

- Just like our internal OSM project analyze the tags and history that is associated with the way and/or node

OpenStreetMap Edit History Export

Edit feature ✓

All	yes
Foot	no
Motor Vehicles	yes
Bicycles	no
Horses	no

Add field: Advisory Speed Limit, Covered, Descript...

▼ All tags (10)

bicycle	no
bridge	yes
destination:street	Vista Village Drive
highway	motorway_link
layer	1
maxspeed	65 mph
maxspeed:hgv	55 mph
maxspeed:trailer	55 mph
oneway	yes
surface	concrete

+ □

▼ All relations (0)

+ □

View on openstreetmap.org

GPS Traces User Diaries Copyright Help About ggando_lyft

Point Line Area

Inspect Add Feature



Example Challenge 2

- For this example we see the exit number
- Able to add in new tag
 - ‘junction:ref=6B’

junction:ref	6B		
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OpenStreetMap Edit History Export

Edit feature < X

All Foot Motor Vehicles Bicycles Horses

Add field: Advisory Speed Limit, Covered, Descript...

All tags (11)

bicycle	no
bridge	yes
destination:street	Vista Village Drive
highway	motorway_link
layer	1
maxspeed	65 mph
maxspeed:hgv	55 mph
maxspeed:trailer	55 mph
oneway	yes
surface	concrete
junction:ref	6B

All relations (0)

+ View on openstreetmap.org

GPS Traces User Diaries Copyright Help About ggando_lyft

Point Line Area Undo / Redo Save

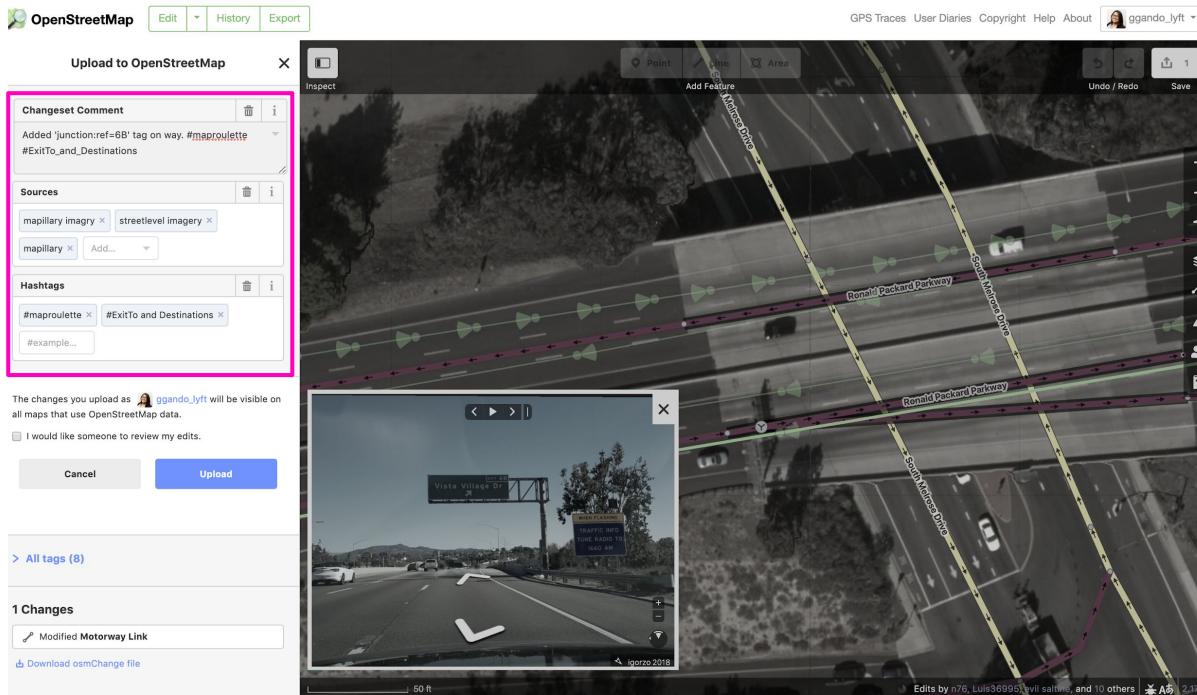
Inspect Add Feature

50 ft

Edits by: n76, Luis36995, evil saltine, and 10 others A8

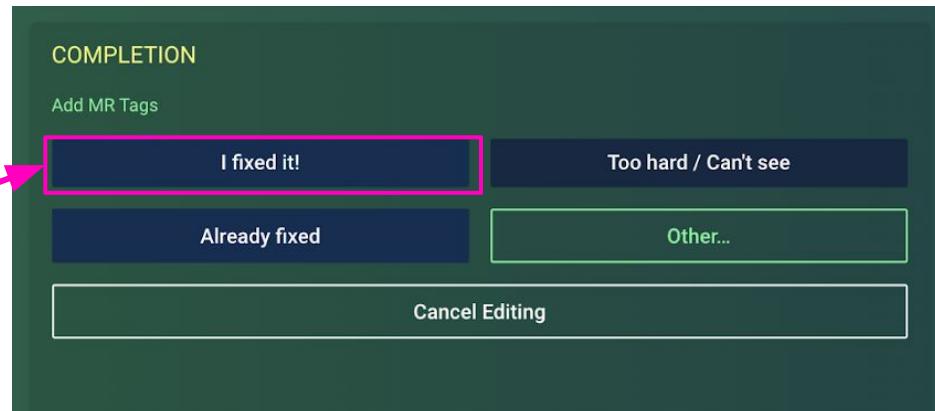
Example Challenge 2

- Create a short and descriptive changeset comment
- Have correct hashtags that correspond to the challenge
 - Typically they will be automatically generated
- Once comment is complete submit changeset, by clicking **Upload** button



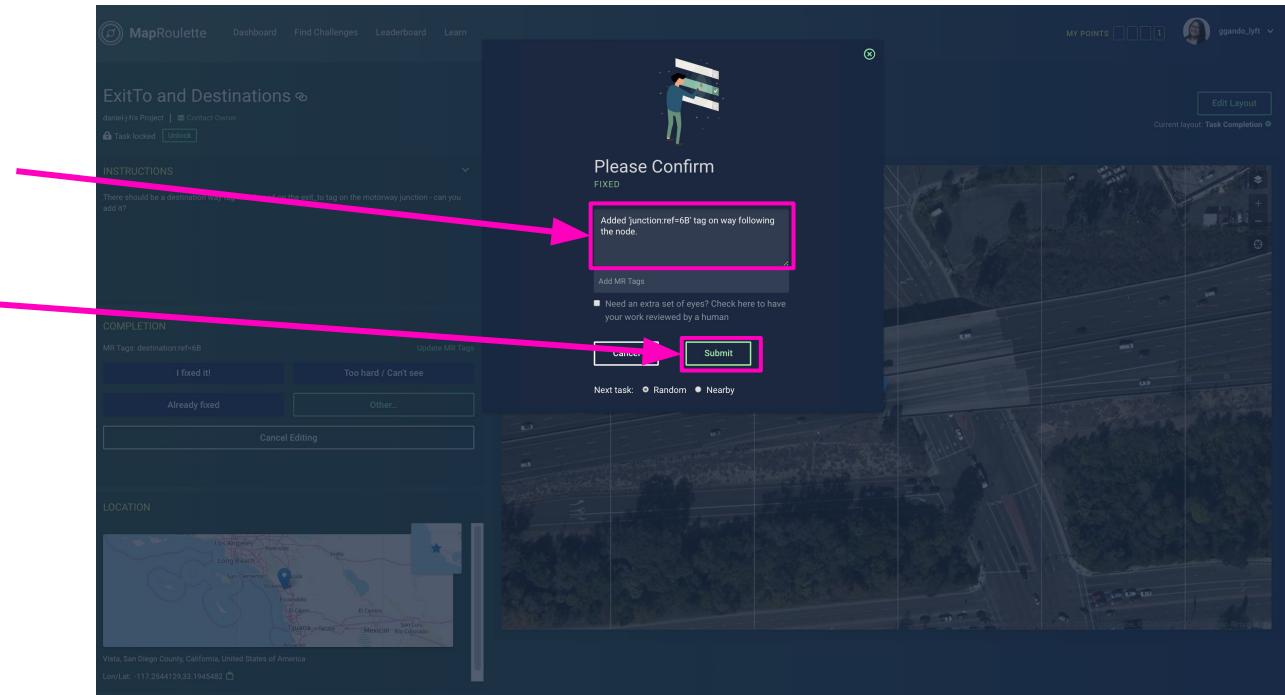
Example Challenge 2

- Due to editing in this example we added in exit sign information, click on  button, in the completion box on the left panel
- A window will then appear



Example Challenge 2

- Once completed go back to MapRoulette
- Create a descriptive comment
- Click on **Submit**





Thank you