ELF Project

Geospatial Learning with Elves

Guide for Teacher's and Admin's

2022

PROJECT ID: 2021-1-IS01-KA210-SCH-000032339

Co-funded by the
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of the European Union

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1. Purpose

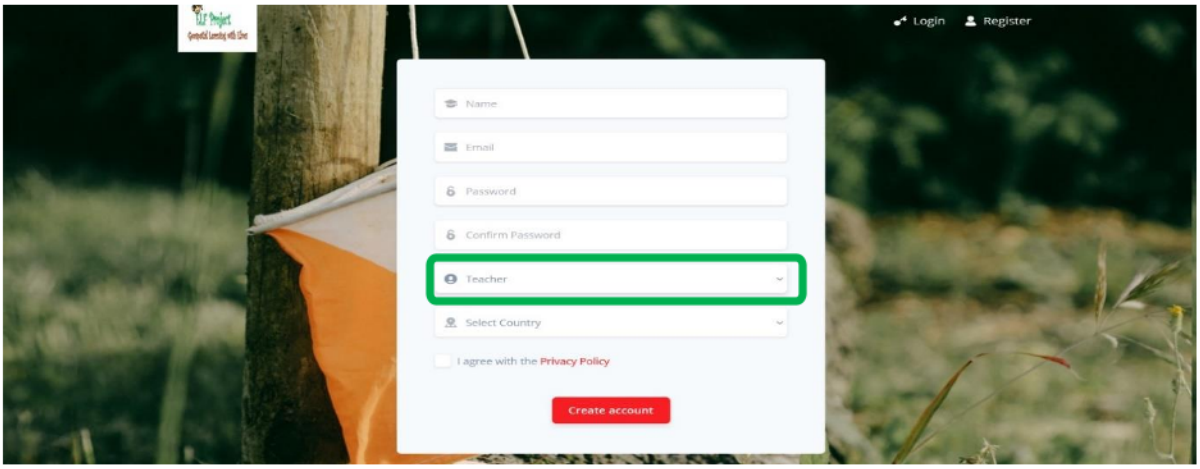
The purpose of this document is to act as a guide for teachers and school administration staff. For Teacher's, the aim is to enable them to use the ELF Geospatial Learning Tool to its fullest extent in their teaching; for administrative staff, it is to enable them to have a better understanding of the progress of the students and management while using the ELF Geospatial Learning Tool. The document entails the basics of how the tool works, explaining the different features that can be used in teaching and by the school administration. The document will explain how the routes for the interactive games can be created before taking the students out on learning adventure, additionally, it will go on to explain how the quizzes can be the setup. It will explain how the students, routes and quizzes can be managed by the teachers through the backend features of the tool which will reflect onto the app created for use of students.

2. Registering and Login

The ELF Geospatial Learning Tool can be accessed via: https://demos.cubycode.com/

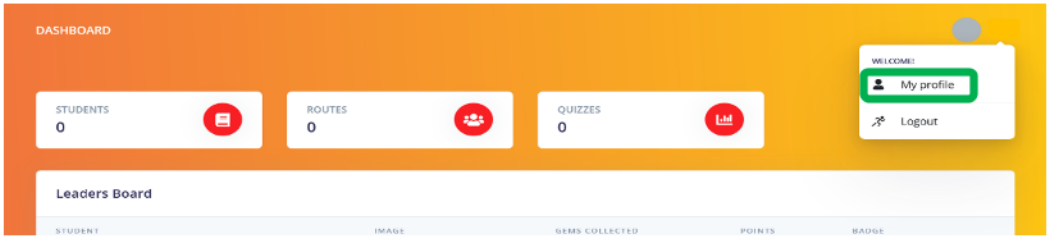
As a first-time user, the teachers/ administrative staff will have to register by clicking on the Register icon, which leads to a form. Here, you need to enter your Name, Email, Password (Make it a strong password using symbols*@#$%&, numbers, and combination of Uppercase and Lower-case Letters). Make sure the option Teacher as highlighted in the below image is selected if you are a Teacher and the Admin option should be selected by the Administrative Staff. Select Country, Tick on agreeing the Policy Terms (It is advised to read them) and finalise creating account. Once the account is created, Login to the account, it will take you to the Dashboard.

Note: It is important to note that the Teachers and the Administrative Staff can only access the website and manage the backend side of the Elf Geospatial Learning App. The Elf Geospatial Learning App is only designed for the students.

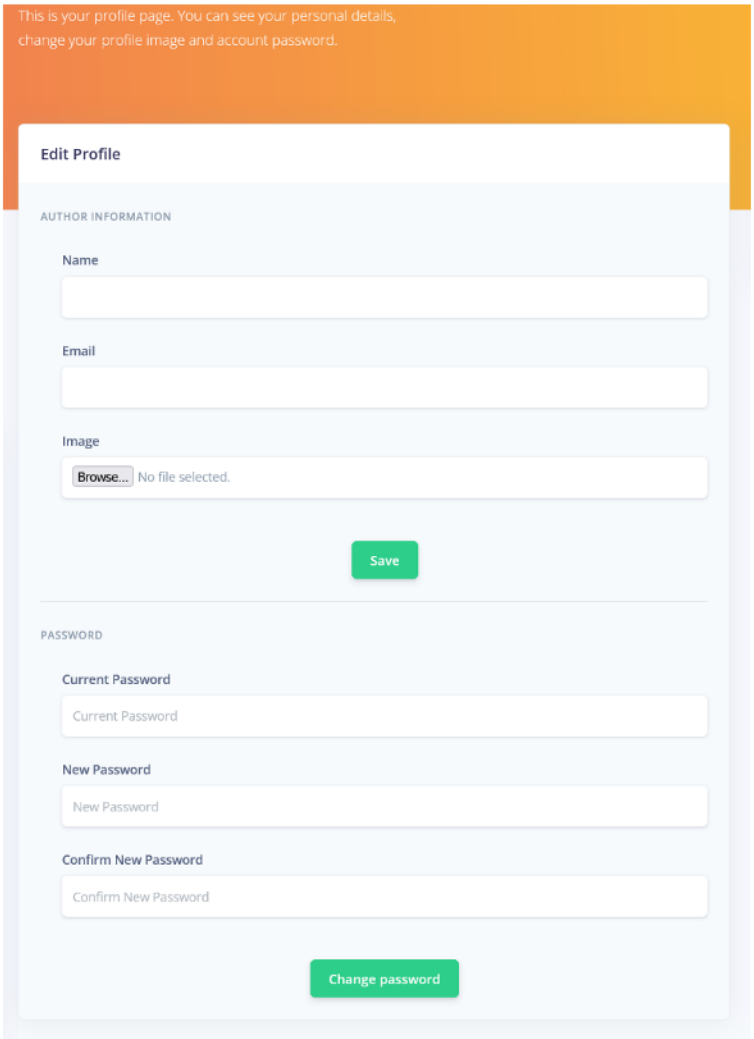


3. Accessing Profile Information

Both the teachers and the administrative staff can access their profile information by clicking on their Username on top right-hand corner, and then on My Profile. This will lead you to a new screen with your information.



On your Profile information page, you will be able to see Name and Email ID. Here, you can upload your Profile Picture and change your Password. See below.



TEACHER'S PROFILE

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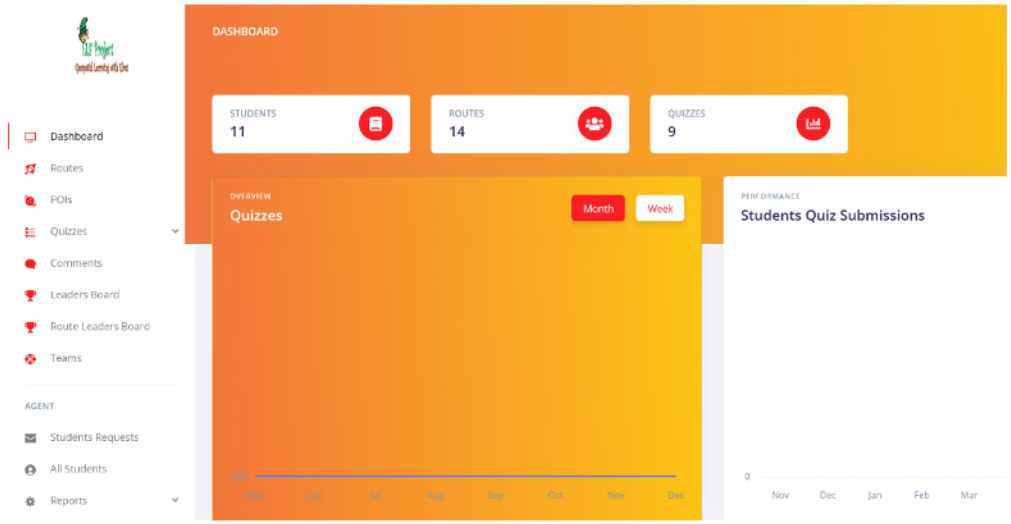
SIHTASUTUS NOORED TEADUSES JA ETTEVÕTLUSES
YOUTH IN SCIENCE AND BUSINESS FOUNDATION

4. Dashboard

The Dashboard views for teachers and the administrative staff varies due to their roles.

On Dashboard for Teacher's Profile, you will find in the main area, an overview of number of students, Route, and Quizzes. Below it, you will see graphs for Quizzes. On left-hand side you will see list of features available at your disposal.



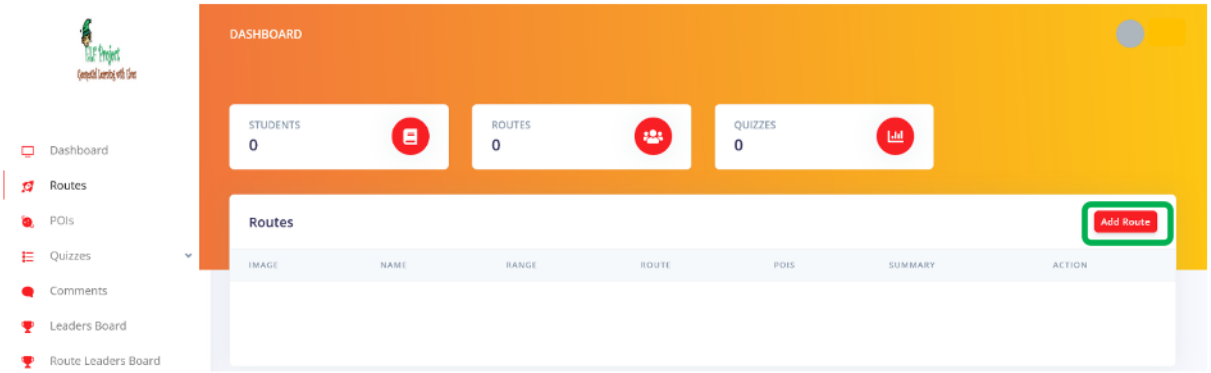
- **Dashboard**
- **Routes**
  - Allows to Create new routes and edit/delete old routes.
- **POIs**
  - Enables to view the Point of Interest (POI) list for routes.
- **Quizzes**
  - Enables to view list of different quizzes and questions.
- **Comments**
  - Enables to see any comments made by users about questions.
- **Leaders Board**
  - Allows to see who is leading in collecting points and gems.
- **Route Leaders Board**
  - Allows to see who is leading in completing the routes.
- **Teams**
  - Allows to see teams who are leading.

AGENT

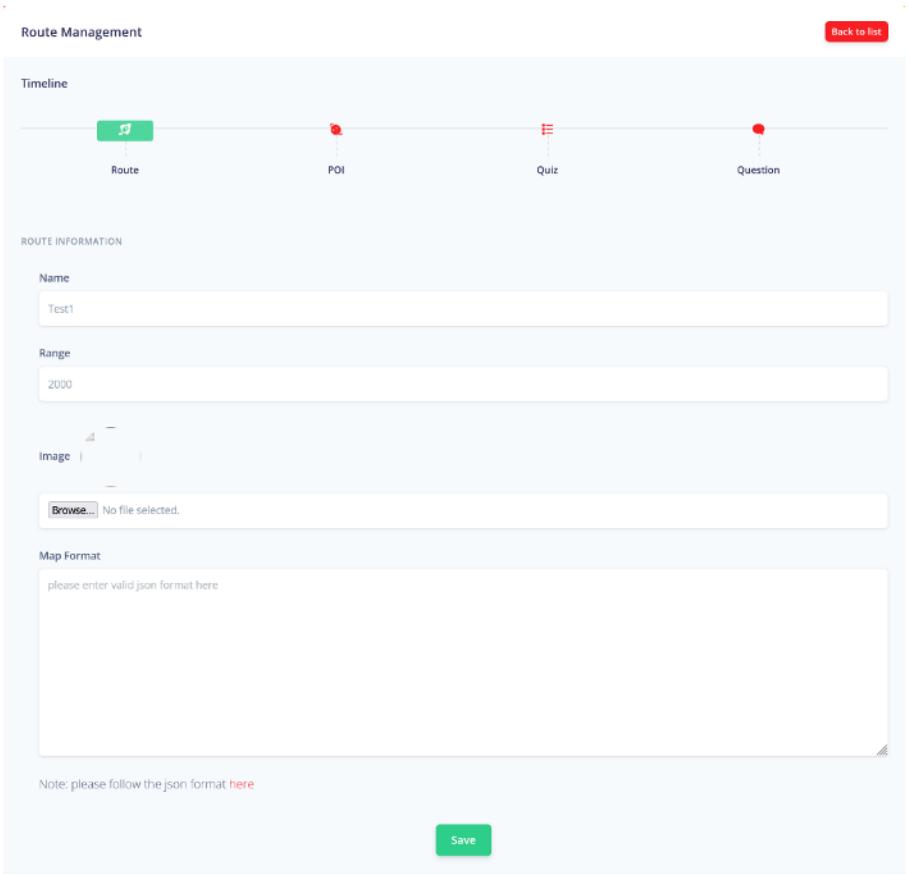
- **Students Requests**
  - Allows to view requests sent by students to participate.
- **All Students**
  - Allows to view all students.
- **Reports**
  - Access to different reports.

5. Routes, POIs, and Quizzes

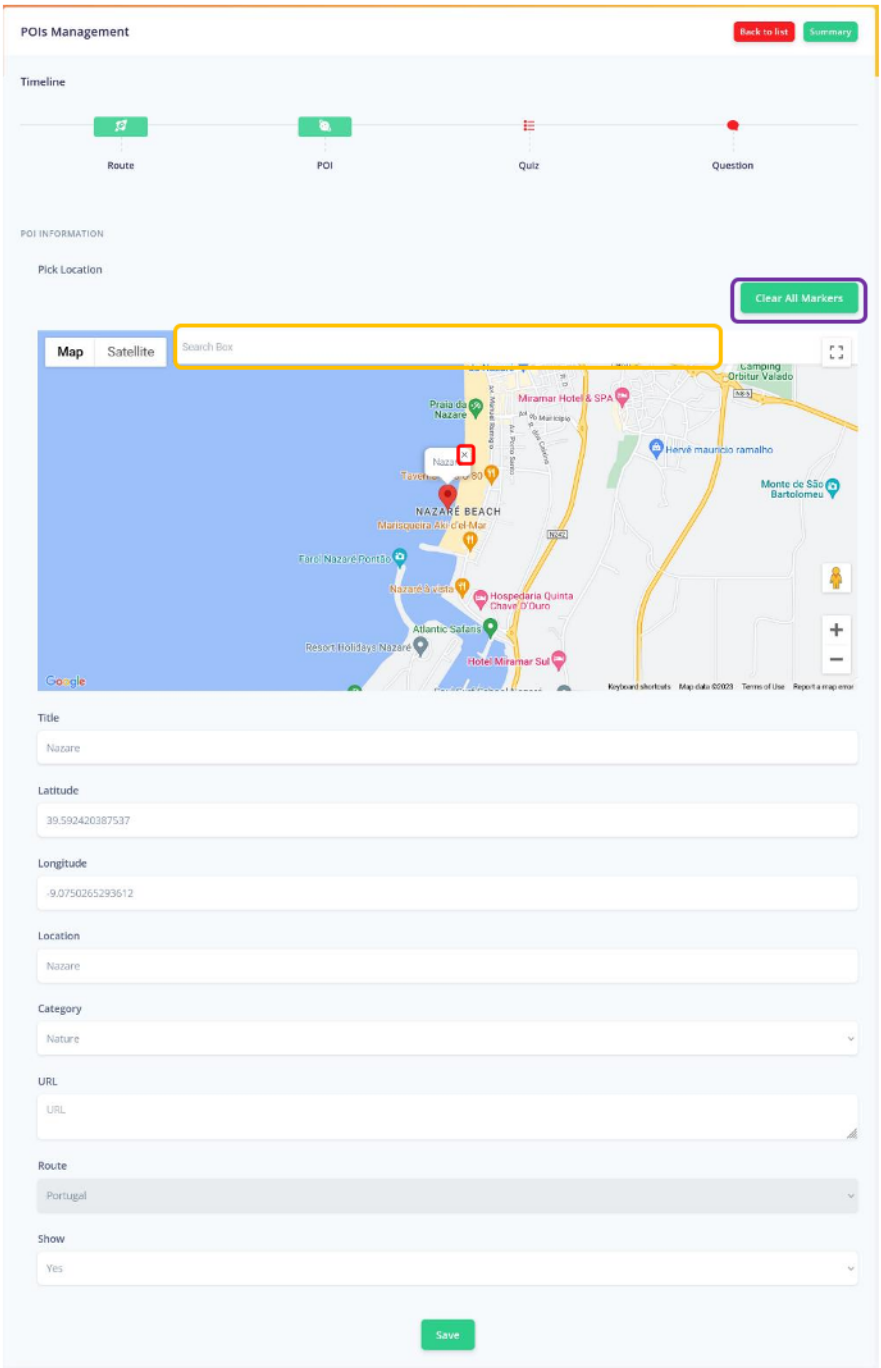
The Routes section allows to create, edit, and delete Routes created by you. To create a route, you simply must click on Add Route button on top right.



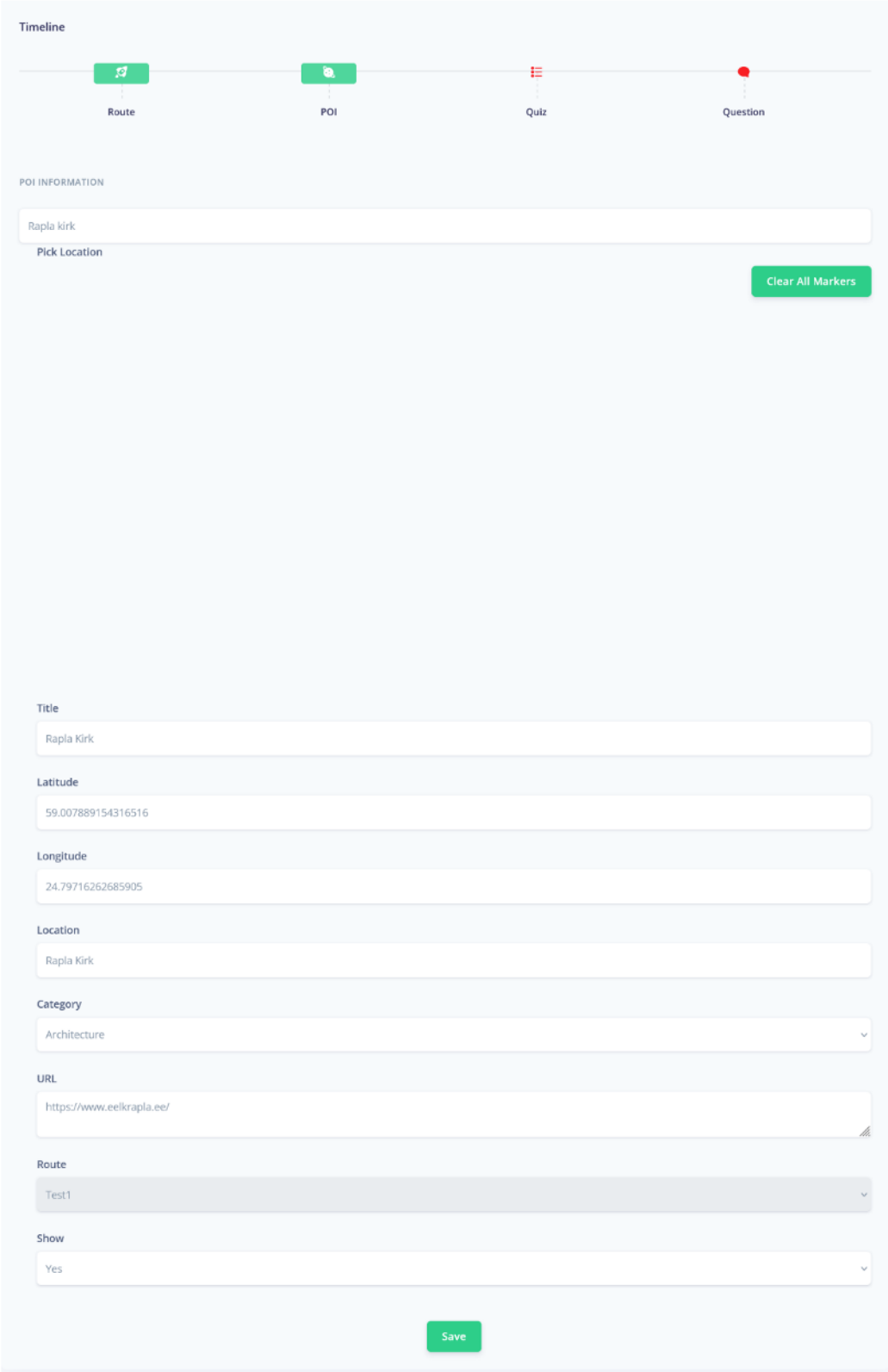
It will take you to route creation page where you must enter the Name for the route, Range in meters (area covered during the route), Image of the route/ place (Screen shot of the Route Map/ the area, you may have to save it on your computer before uploading). The Map format (JSON) field is optional but is explained later in the document. Save.



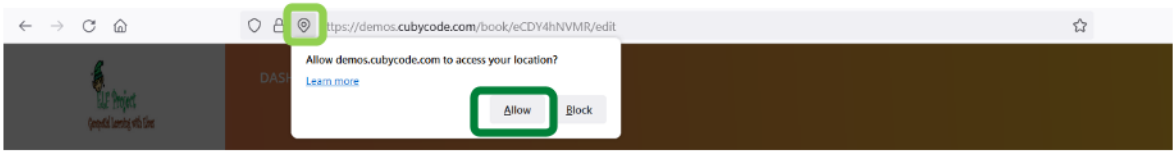
Once you click on Save, it will take you to the next step of creating POIs (Point of Interests). Here you must enter the Name of Location, Title, Latitude and Longitude, Location, Category, URL link if available, Yes/ No if you want Show the POI or not and click Save. For the Location, you can also use the Map available to select the POIs by clicking on the locations or searching for them in the Search Box, the information will automatically fill in. Mistakenly if you select the wrong POI, just click on the Cross on marker information. You can also clear all markers by clicking Clear All Markers button.



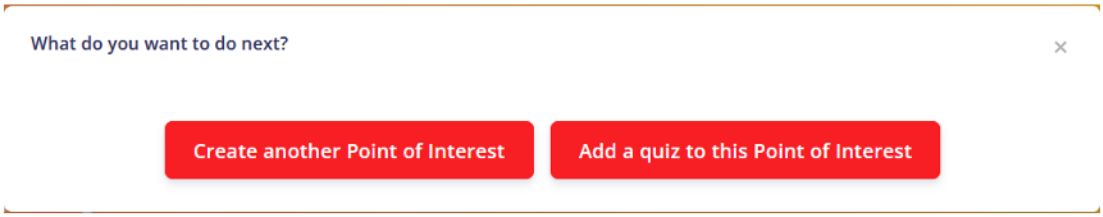
In case you see a blank space instead of the Map View on your screen, then make sure you activate your browser location.



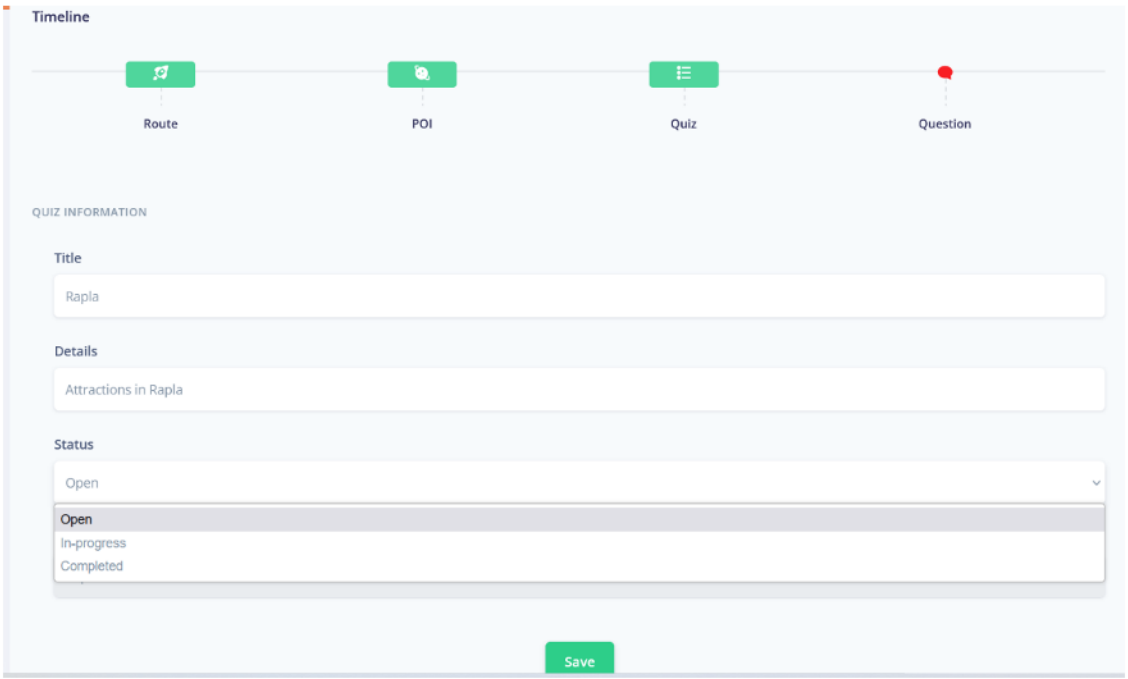
You can activate the browser location by clicking on the Location Pin on left side of your browser address bar, and selecting Allow button. In case the Location Pin is not visible check your browser permissions in browser Settings/ Options.



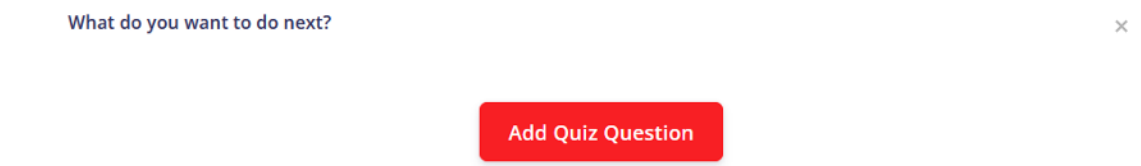
Once you are done entering the POI information and saving it, a new window will pop-up asking if you want to create another POI or move to next step of adding quiz. You can add as many POIs as you want and once you are done you can move on to Add Quiz.



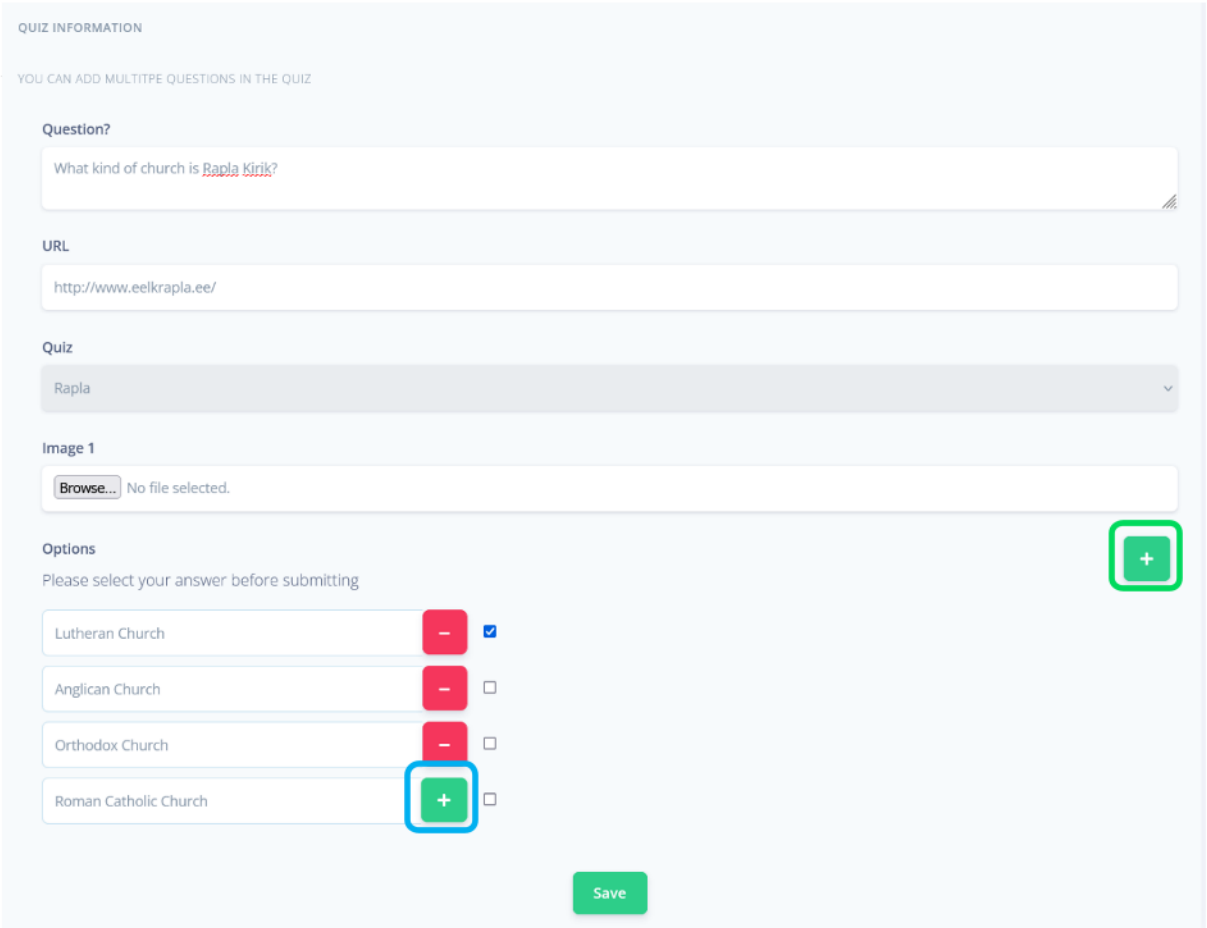
Adding Quiz will ask you to enter information for the Quiz including Title, Details, Status (If the quiz is Open, In-Progress, Completed). Once you are done entering the information, click on Save.

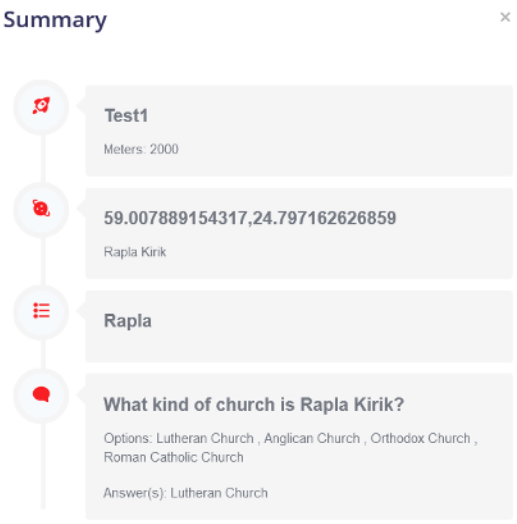


Saving will allow you to add Questions to your Quiz by showing you a window to Add Quiz Question.

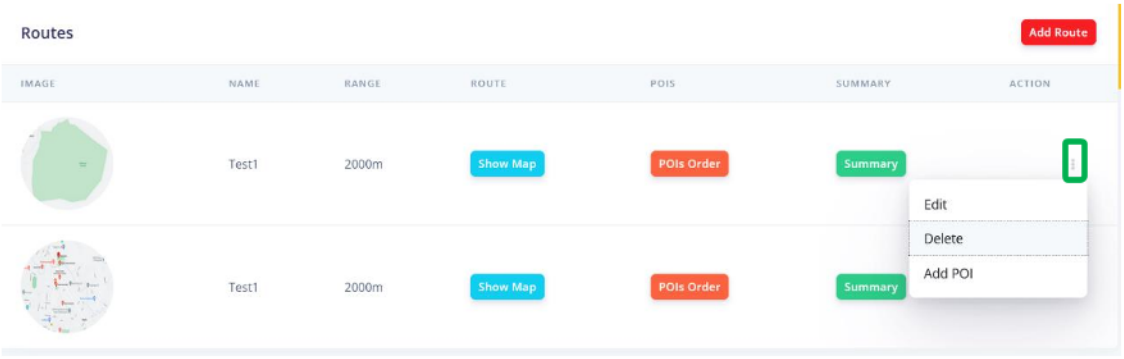


Add your Question. If you have a URL through which you want to teach Students more on the Topic, or provide any relevant information giving them clues, you can add here. You can add multiple images, you must just click on the green + sign below Images bar. You can create images of information and add them as well. Do not forget to enter Options for answers. To enter more options, you must click on the green + in Options. Tick small box besides the correct answer. Save your Question.





For Editing Routes, under Routes click on the 3 ellipses (dots) on right side for the route you want to edit. It will give options of Edit, Delete, Add POI.



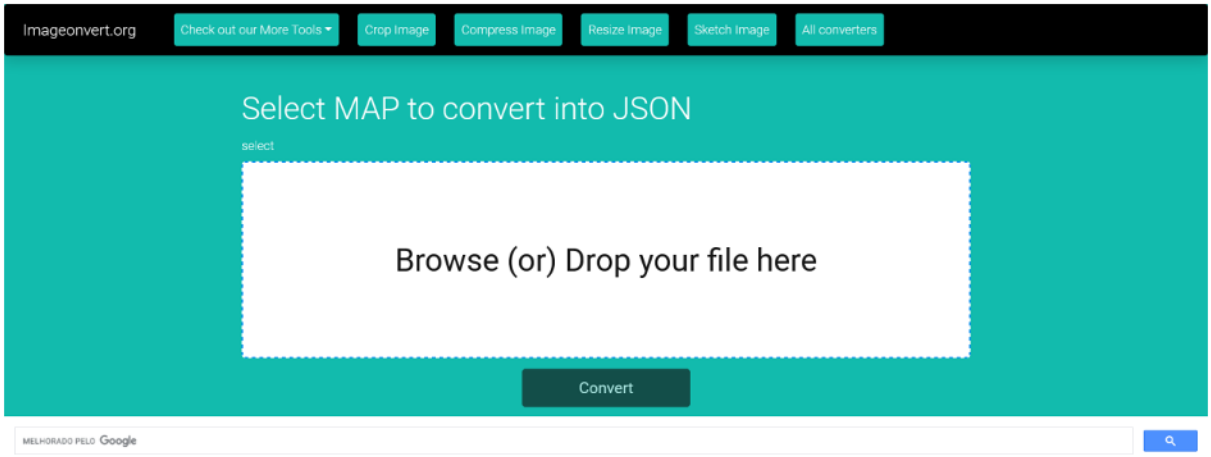
If for example, you want to add the JSON format or Image to your Route, click on Edit. It will take you to the Route Information page where you can make the changes. Do not forget to save your changes.

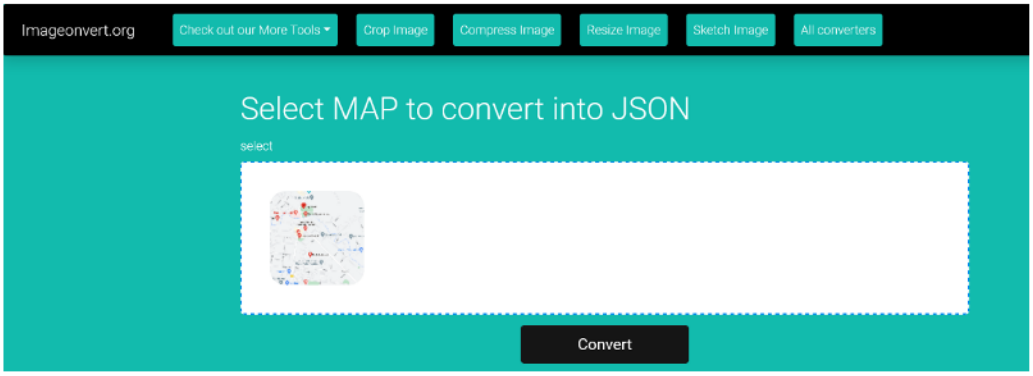
Simple JSON format:

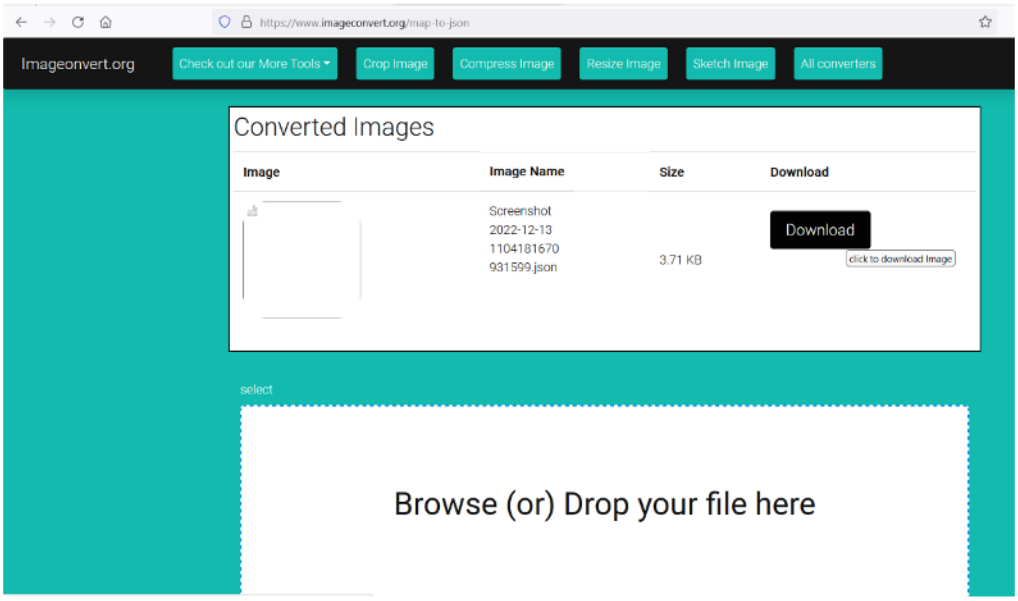
If you want to enter JSON format but do not know coding, you can use the below link which helps to convert Map images to JSON format.

https://www.imageconvert.org/map-to-json

For this, you will need the image of the Map that you saved. You just must upload the Map Image to the site and click on Convert. This will convert the data to JSON format and will be ready for downloading on your computer. You can also use the Google Map search tool to get map information. You can check further instructions on the website.


Imageonvert.org
Check out our More Tools
Crop Image
Compress Image
Resize Image
Sketch Image
All converters
Select MAP to convert into JSON
select
Browse (or) Drop your file here
Convert
MELHORADO PELO Google


Imageonvert.org
Check out our More Tools
Crop Image
Compress Image
Resize Image
Sketch Image
All converters
Select MAP to convert into JSON
select
Convert


https://www.imageconvert.org/map-to-json
Imageonvert.org
Check out our More Tools
Crop Image
Compress Image
Resize Image
Sketch Image
All converters
Converted Images
Image
Image Name
Size
Download
Screenshot
2022-12-13
1104181670
931599.json
3.71 KB
Download
click to download Image
select
Browse (or) Drop your file here

Open the downloaded file using Notepad, you will be able to see the JSON formatted text as below. Select all the text using Ctrl+A, copy and paste in the space of Map format for JSON and Save. You will be able to see the Map on your Route.

File Edit View


```
[{
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  "image": {
    "name": "/home/videosdownloader/public_html/image/public/uploadt/Screenshot 2022-12-13 110418.png",
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    "format": "PNG",
    "formatDescription": "PNG",
    "mimeType": "image/png",
    "class": "DirectClass",
    "geometry": {
      "width": 1031,
      "height": 650,
      "x": 0,
      "y": 0
    },
    "resolution": {
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      "y": 47.24
    },
    "printSize": {
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      "y": 13.7595
    },
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    "type": "TrueColorAlpha",
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    "endianness": "Undefined",
    "colorspace": "sRGB",
    "depth": 8,
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    "channelDepth": {
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      "blue": 1
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    "imageStatistics": {
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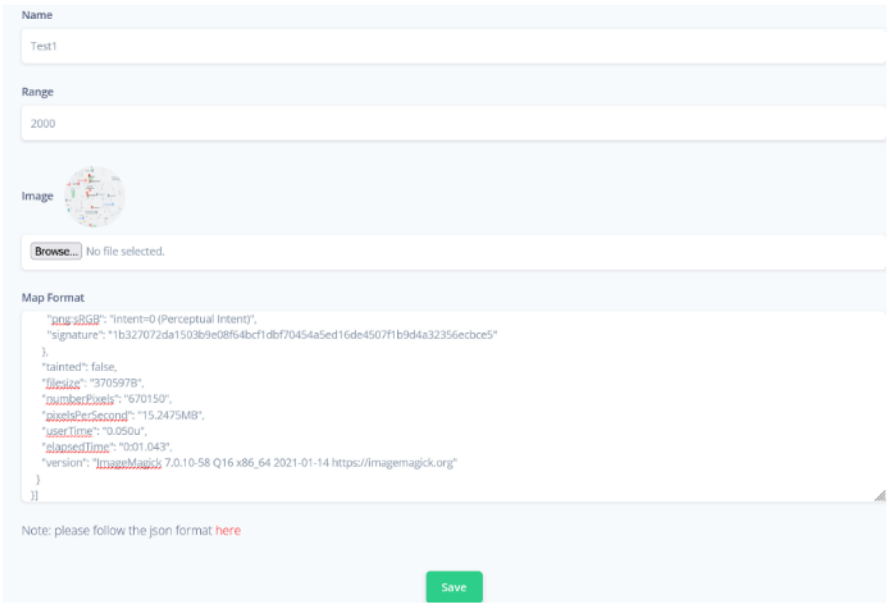
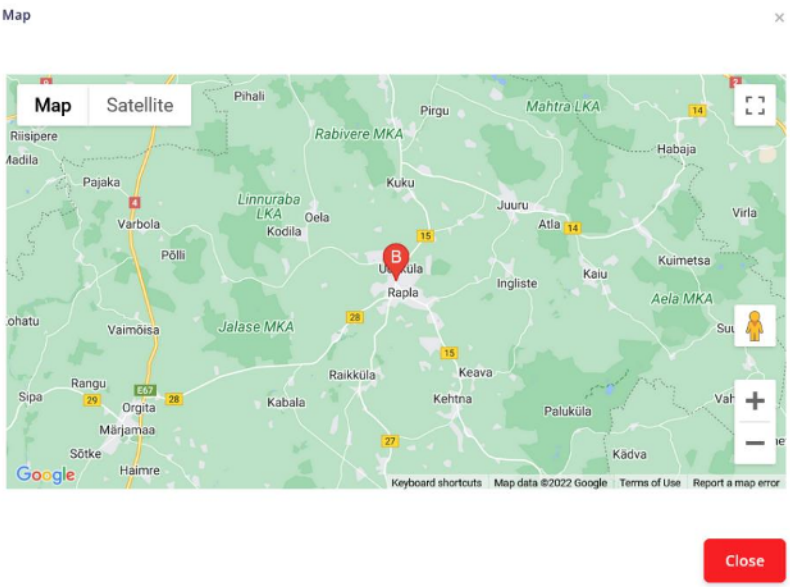
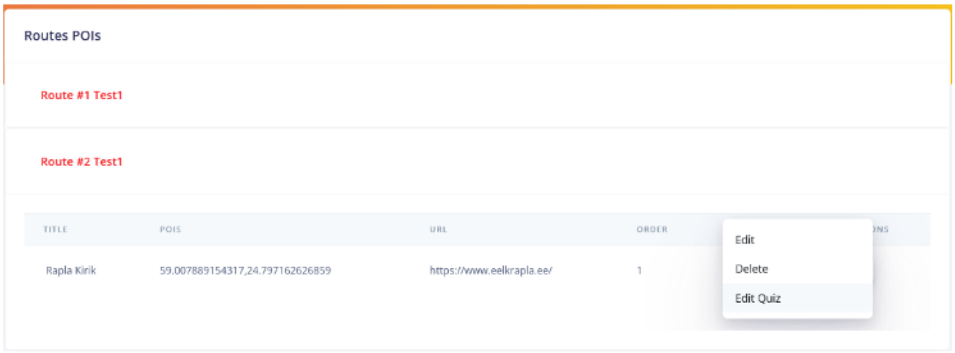




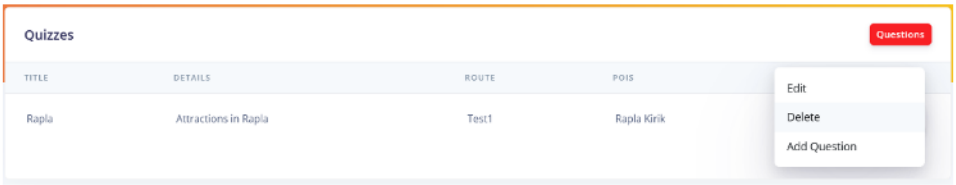
6. Editing POIs (Point of Interests)

To Edit POIs, go to the Routes POIs you want to edit click on the 3 ellipses (dots) on right side for the route you want to edit, it will give you options for Edit, Delete and Edit Quiz. Depending on your preference select the option.

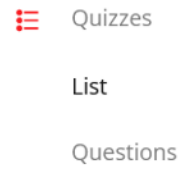


7. Editing Quizzes

Quizzes can be edited in similar way as the POIs by clicking on the 3 ellipses (dots) on right of the desired Quiz to be edited and selecting from the options of Edit, Delete and Add Question.

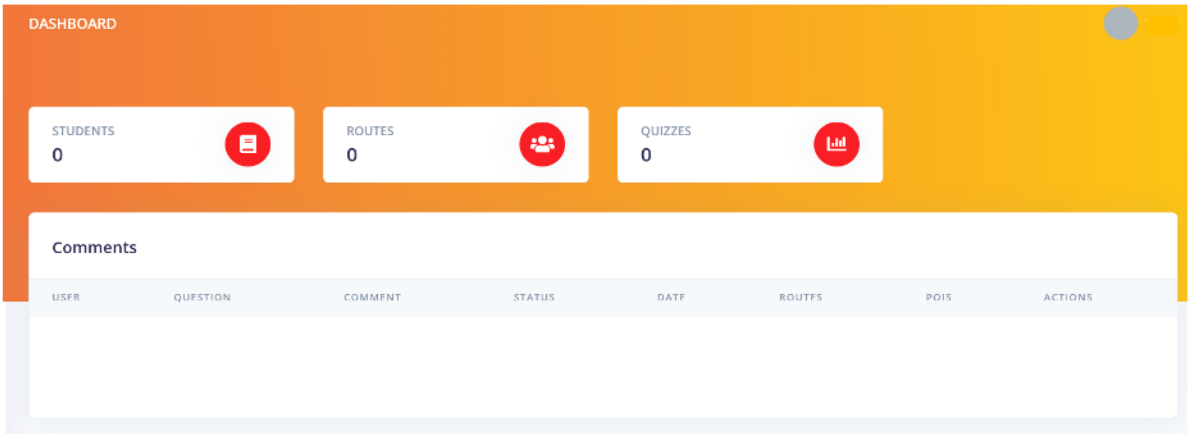


To edit Quiz Questions, you have to go to Questions under Quizzes, go to question you want to edit and either select the 3 ellipses (dots) or click on Edit button on right side.



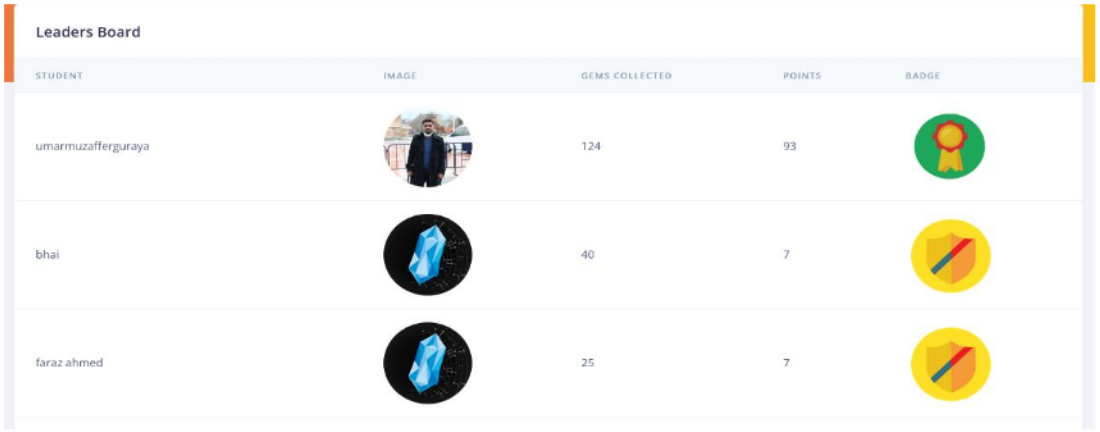
8. Comments

The Comments feature allows to see comments made by the students regarding a question. It might also be a question asking for further information. Under comments the teacher will be able to see the name of the student User, the Question for which the student has made a comment, the Comment itself, the Status, Date, the Route - the question is related to, POIs, and Action.



9. Leaders Board and Route Leaders Board

The Leaders Board and the Route Leaders Board allows to see who is leading in respective areas.



Leaders Board

STUDENT	IMAGE	GEMS COLLECTED	POINTS	BADGE
umarmuzafferguraya		124	93	
bhai		40	7	
faraz ahmed		25	7	

Routes #1 Route (Test10)
Route Details

Student	Points	Badge
myuser	0	
umar muzaffar	0	

Routes #2 Route De Gujranwala
Route Details

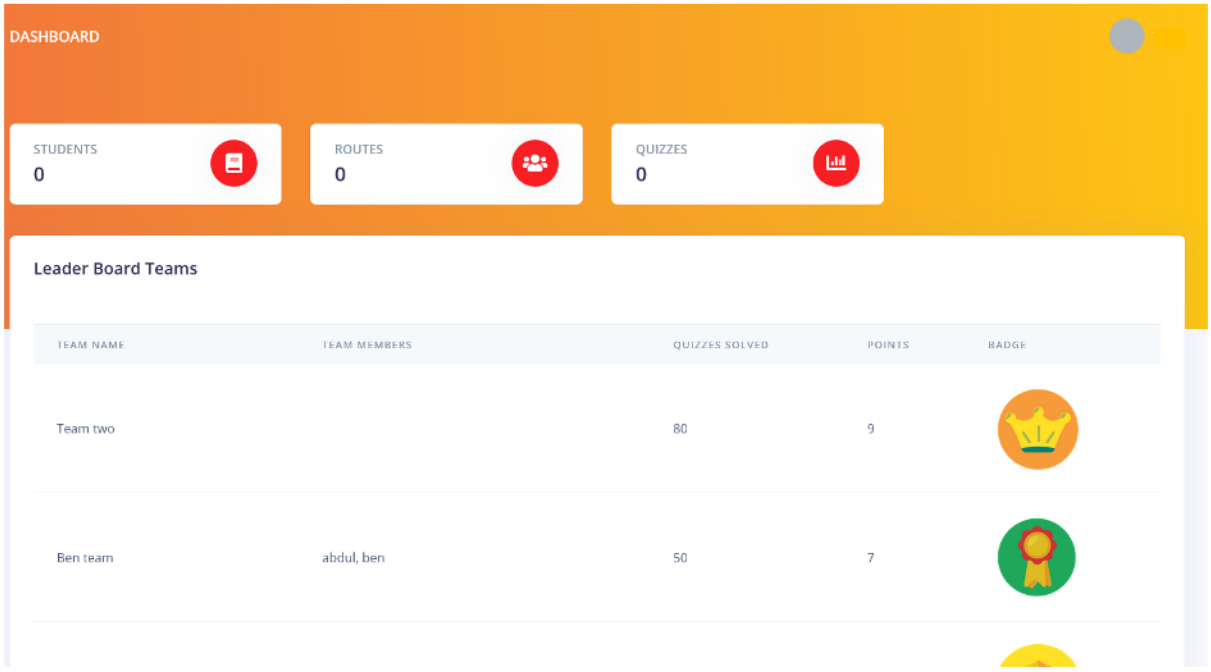
Student	Points	Badge
myuser	0	
umar muzaffar	0	

Routes #3 Testing to save route
Route Details

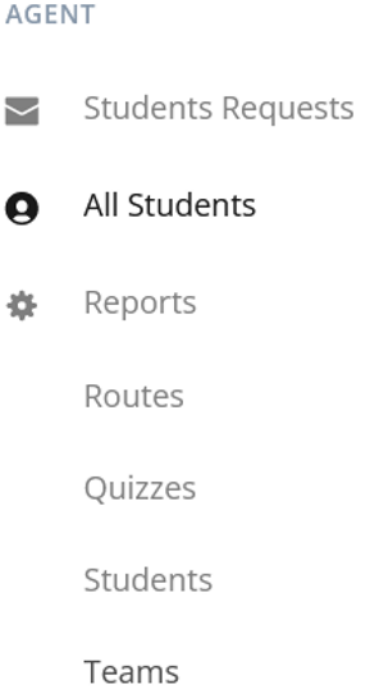
Student	Points	Badge
myuser	0	
umar muzaffar	0	

10. Teams

Teams allow to see which team is leading.



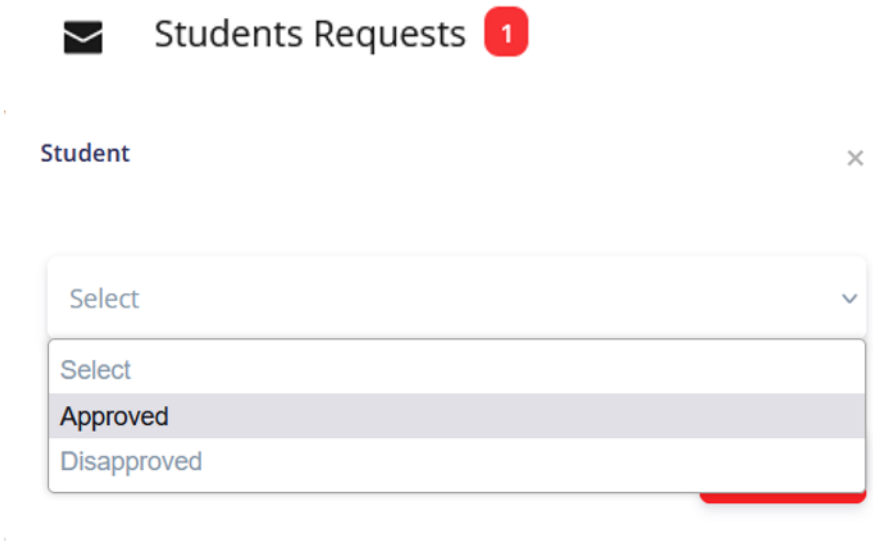
11. Agents



- Allows to see requests sent by students to be added under teachers' supervision.
- List of all students.
- Miscellaneous reports on routes, quizzes, students and teams.

Student Requests:

When students send a request to teachers, it keeps blinking on Students Request field. When clicked on the field you will be able to see the student who has sent the request and take action of Approving the Request or Disapproving it.



ADMINISTRATION PROFILE

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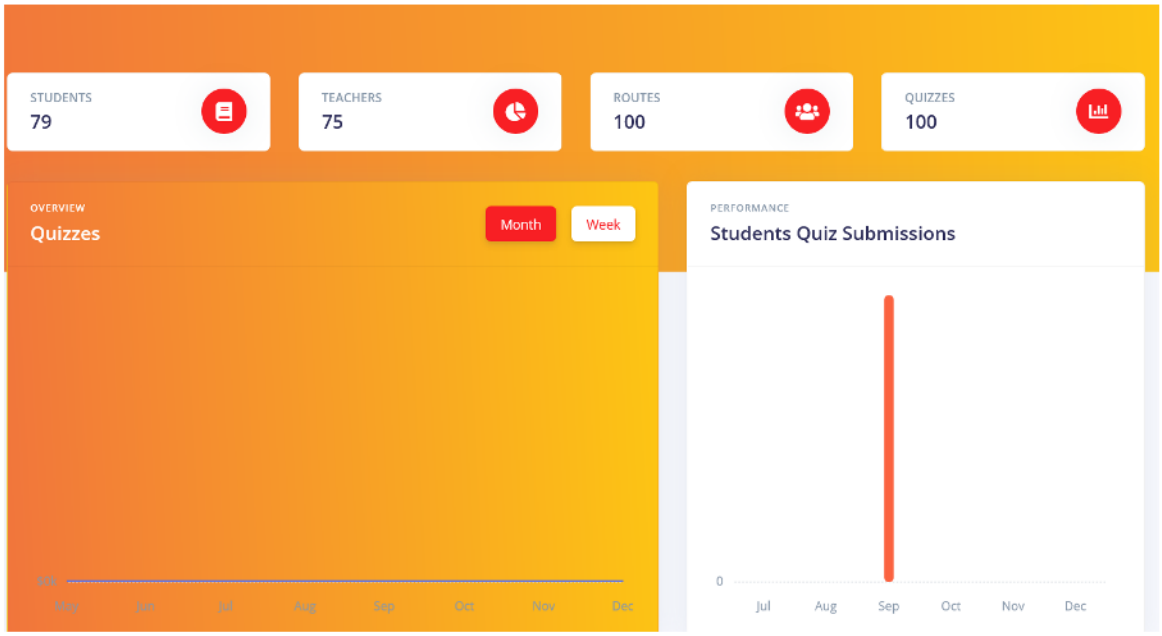
YOUTH IN SCIENCE AND BUSINESS FOUNDATION

12. Administration Dashboard

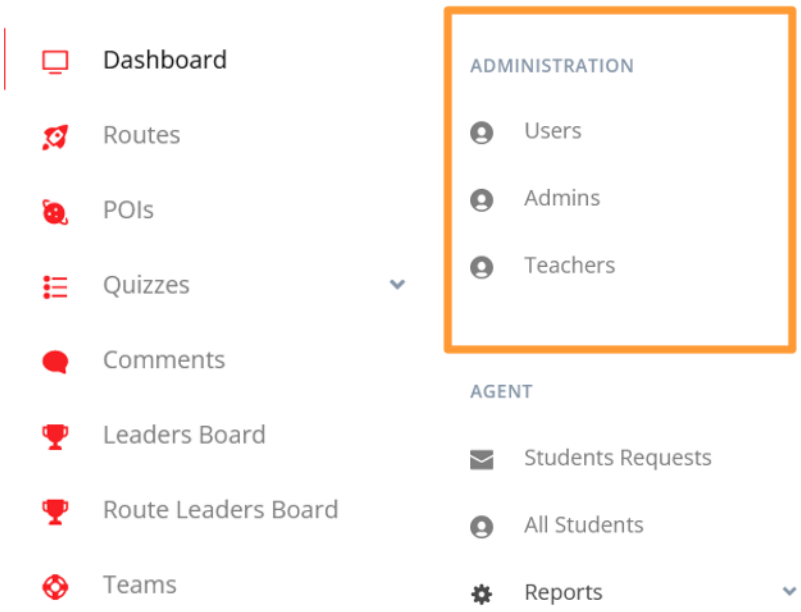
The Dashboard board for the Administration Profile appears like that of Teacher's Profile but with some differences. Under the Administration profile Dashboard, in the main area, the admins will be able to see number of Students as well as Teachers, along with Routes, and Quizzes. It will also show overview of quizzes and students' performance indicators on monthly basis. On the Dashboard, Admins will also be able to see Route Visits showing the Name of Route mostly visited, Distance, Count and Result in form of arrows.



Routes Visits

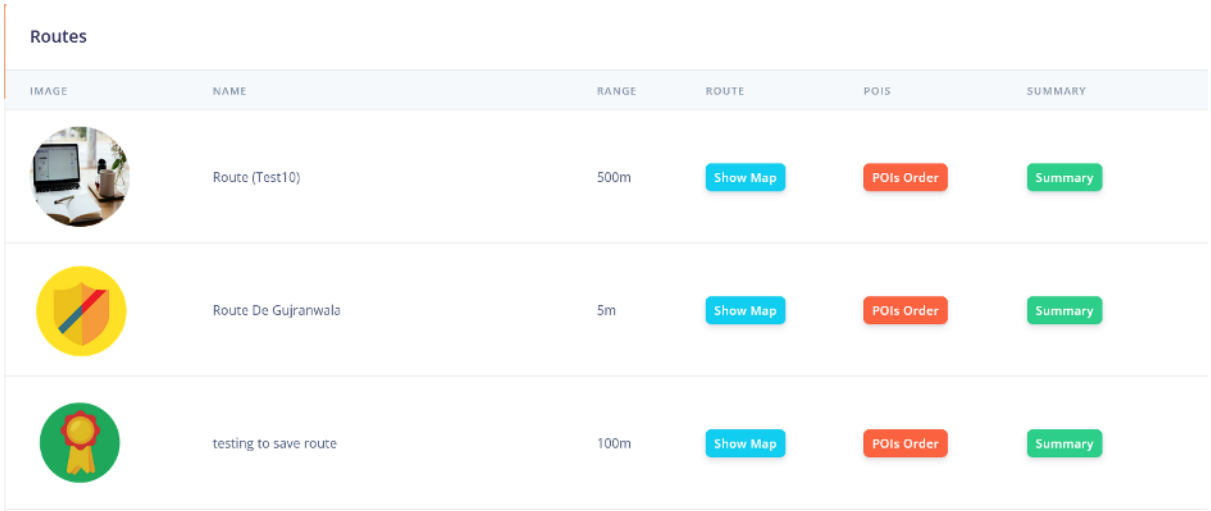
ROUTE NAME	METERS	COUNT	RESULTS
abr route	200	3	↑
Lets run on green valley	100	2	↓
ABR Route One	100	2	↓
Schmelz	15	2	↓
Testing new route by Ben teacher	100	2	↓
Kristiine	10	1	↓

On the left-hand side of the Dashboard features like Teacher's Profile will be visible apart from the Administration Category, where the admins are able to see and manage all the Users, Admins and Teachers.

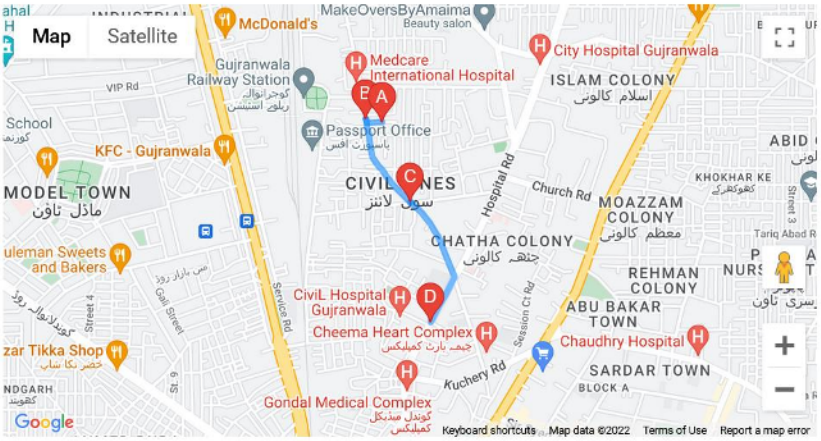


13. Routes

The Routes section in Administration Profile does not allow to create routes. It only allows for viewing the Maps, POIs and Summary of the Routes.



Map



Close

POIs List Order

- New Mughal St, Civil Lines, Gujranwala, Punjab, Pakistan
- Ibrahimobotics HeadQuarters, Gill Rd, Civil Lines, Gujranwala, Punjab, Pakistan
- Akram Chowk, Civil Lines, Gujranwala, Punjab, Pakistan
- Hospital Rd, Civil Lines, Gujranwala, Punjab, Pakistan

Save

Summary

Route De Gujranwala
Meters: 5

32.175881032121,74.190885579642
Test

32.175695685456,74.190214780306
Test level 2 POI

32.17322411778,74.192084670067
test level 3 POI

32.169546101411,74.192079305649
test level 4 POI

14. POIs

Again, only the list of POIs for the Route are visible to the Admins.

Routes POIs

Route #1 Route (Test10)

TITLE	POIS	URL	ORDER	CATEGORY
	52.458033424351,16.915941440479	eeee	1	
	32.176007054955,74.1909579		1	uncategorized
	32.1760521,74.1909579		3	uncategorized
	32.176160208108,74.190849791892		2	uncategorized
	32.1760521,74.190876818919		4	uncategorized
	32.1760521,74.1909579		5	uncategorized
	32.1760369,74.190839682883		3	uncategorized
	32.175865728829,74.1909568		1	uncategorized
	32.175973836937,74.191019863063		2	uncategorized

Route #2 Route De Gujranwala

15. Quizzes

In quizzes, the admins will be able to see list of different Quizzes and all the Questions.

Quizzes

Questions

TITLE	DETAILS	ROUTE	POIS
Test Quiz at gill road 1	Testing	Gujranwala Gill road Route 1	Test details 1
Test Quiz Rill road 2	Testing	Gujranwala Gill road Route 1	Test details 2
Lahore 1	Testing lahore	testing to save route	
Testing 444444	test 44	abr route	
Quiz on new Route 1	Testing new Route Quiz q	New Route at Gill road 1	Test new route
Testing new quiz at rout 1	testing	New Route at Gill road 1	Testing new route 2

Correct routes

Is this the right way to run on road?	YES , NO	YES
Sports 1???	Cricket , Football , Hockey	Football

Quiz #2 Test Quiz Rill road 2

16. Comments

The comments area allows the admins to see the comments made by students, but it will not allow admins to take Actions as the Teachers.

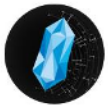
Comments

USER	QUESTION	COMMENT	STATUS	DATE	ROUTES	POIS
Umar.test1234	What is your favorite Hobby?	Hey its testing	Approved	04-Jun-2021	Correct routes determined the destinations	Pakistan St, Civil Lines, Gujranwala, Punjab, Pakistan
Umar.test1234	Any task you have performed well in the past 7 days?	This is test from umar	Approved	04-Jun-2021	Correct routes determined the destinations	Pakistan St, Civil Lines, Gujranwala, Punjab, Pakistan
bhai	Testing 556567????	testing	Approved	04-Jun-2021	abr route	Test 2
bhai	Testing 556567????	testing comment	Approved	04-Jun-2021	abr route	Test 2

17. Leader's Board and Route Leader's Board

The Leaders Board and the Route Leaders Board also only allow to see Students leading in respective areas.

Leaders Board

STUDENT	IMAGE	GEMS COLLECTED	POINTS	BADGE
umarmuzafferguraya		124	93	
bhai		40	7	
faraz ahmed		25	7	

Routes #1 Route (Test10)
Route Details

Student	Points	Badge
myuser	0	
umar muzaffar	0	

Routes #2 Route De Gujranwala
Route Details

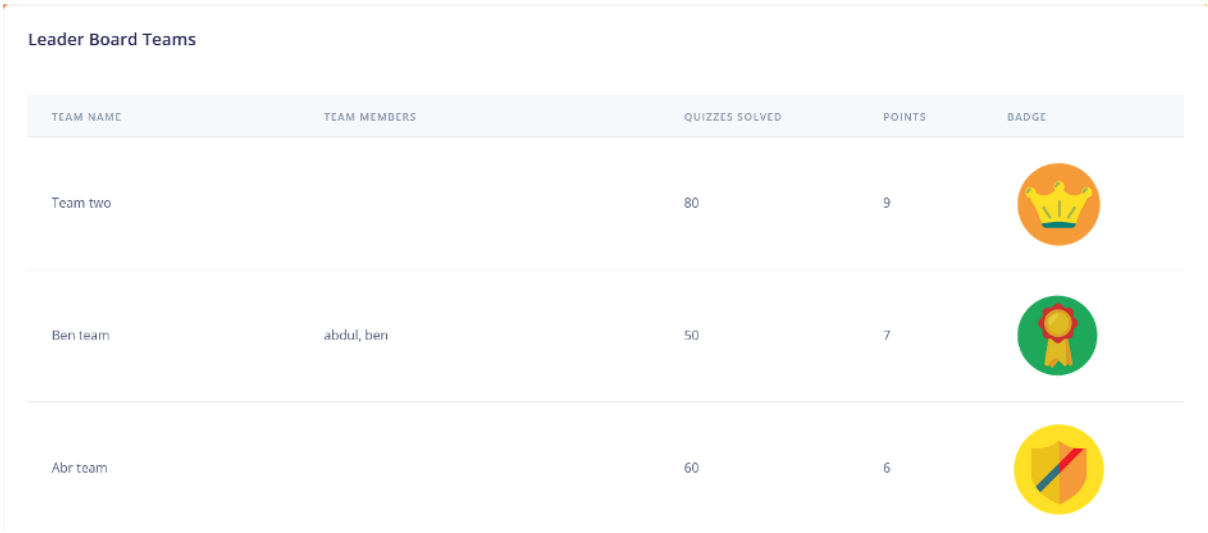
Student	Points	Badge
myuser	0	
umar muzaffar	0	

Routes #3 Testing to save route
Route Details

Student	Points	Badge
myuser	0	
umar muzaffar	0	

18. Teams

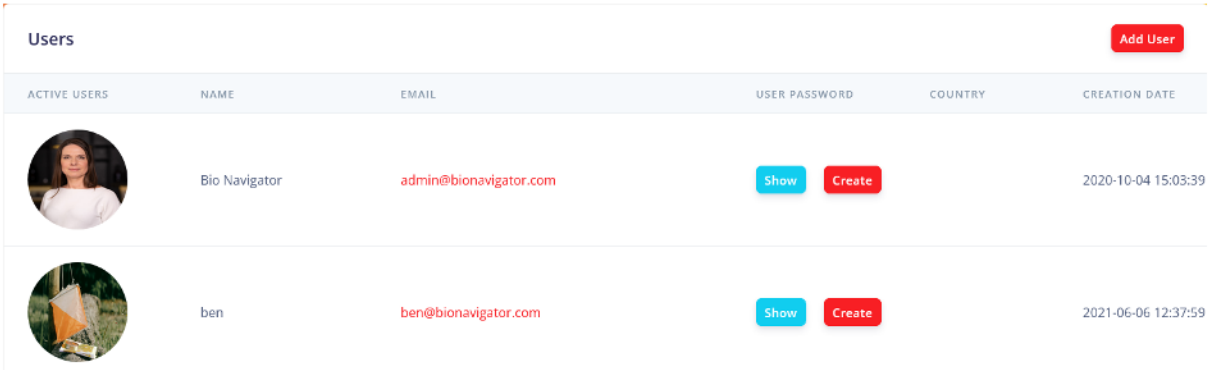
The Admins are able to view the Teams and see their progress.



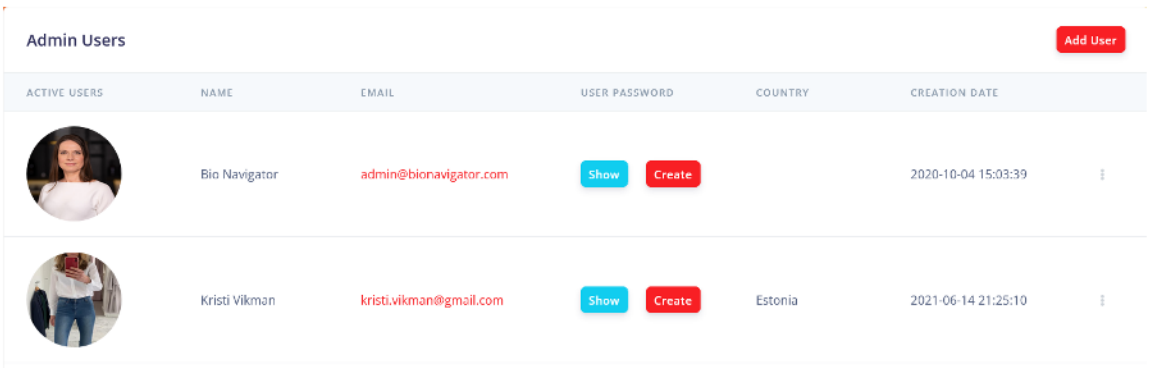
19. Administration

Admins are able to manage all the Users and help with their account password resets.

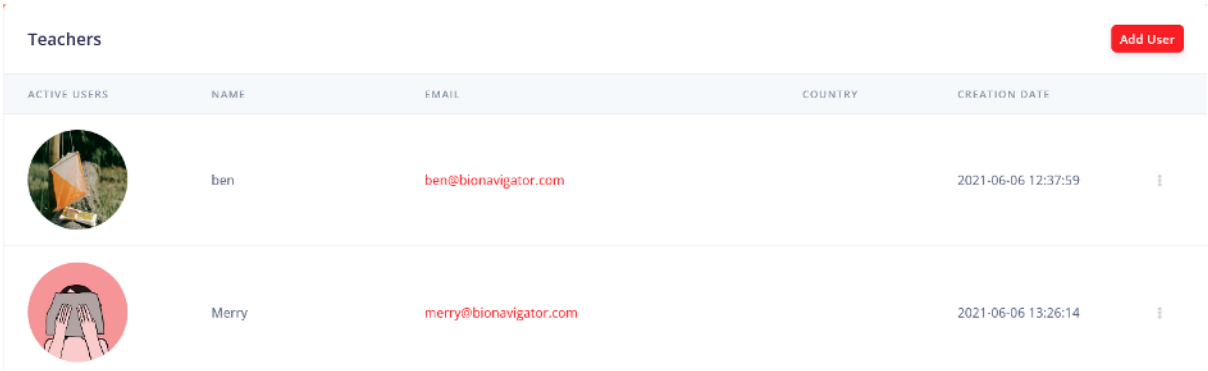
I. Users



II. Admins



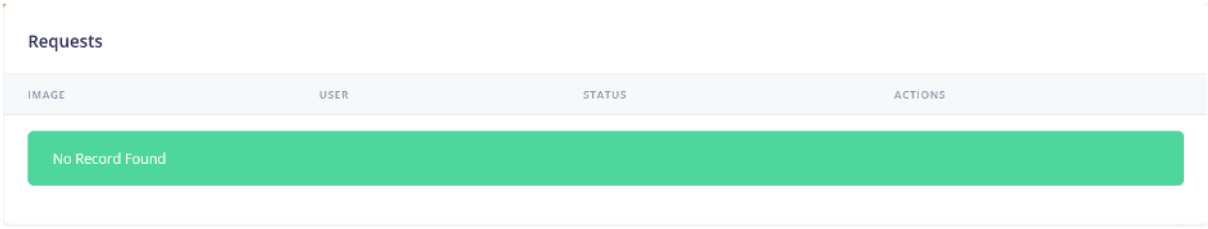
III. Teachers



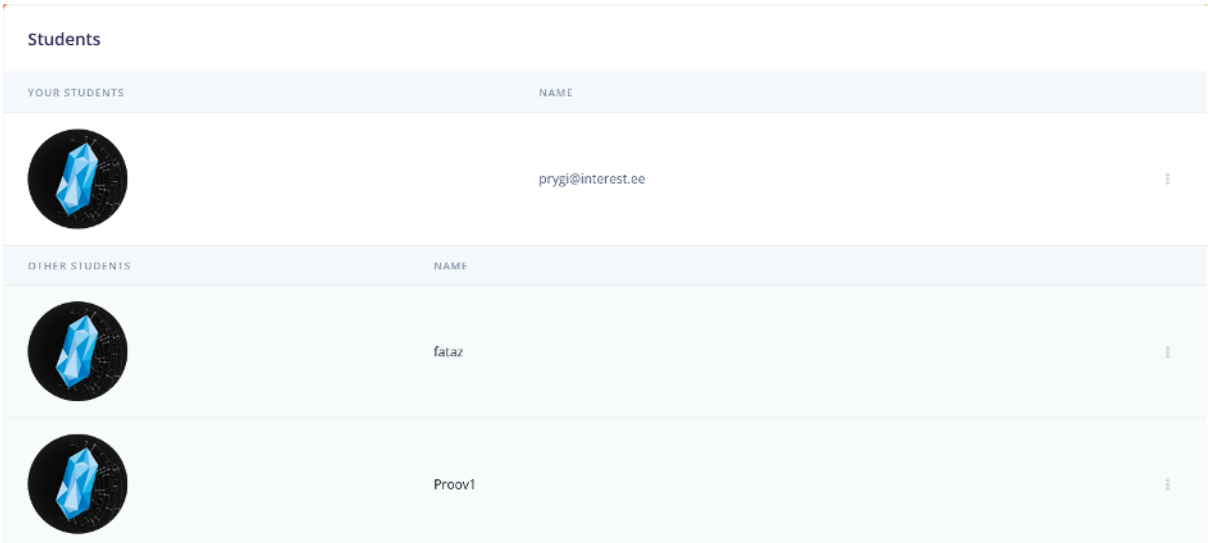
20. Agents

The Admin is also able to see the Student Activity and their information.

I. Student Requests



II. All Students



III. Reports

Students

21. Note

This Version of the Guide is based on the current version of the Website, it will get updated when the website is updated/ there are significant changes.

ELF Project

Geospatial Learning with Elves

CREATRIX
SKÖPUN · VITUND · SAMVINNA

SIHTASUTUS NOORED TEADUSES JA ETTEVÕTLUSES
YOUTH IN SCIENCE AND BUSINESS FOUNDATION

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