

README

Achievement Level:

Gemini

Link to demo:

<https://orbital-b3d35.web.app/>

Repo Link:

<https://github.com/bigcrushes/STAR>

Motivation

COVID-19 has greatly impacted our daily lives, such that some aspects of our lives have been changed forever. Out of the many impacts COVID-19 has had on our lives, one glaring impact that COVID-19 has had on us is the general decline in mental health. It has left many feeling depressed, anxious and lonely due to the COVID-19 measures which have left many cooped up at home. Hence, with the measures finally easing, we would like to create something which can help Singaporeans to leave their houses and socialise with their friends while exploring places in Singapore.

Aim

We hope to encourage Singaporeans to leave their house and engage in more physical activity while exploring Singapore and having fun amidst this pandemic.

User Stories

1. As a Singaporean that has been at home most of the pandemic, I want an activity that will allow me to explore Singapore.
2. As a Singaporean who loves the outdoors, I want an outdoor plan that will be an adventure.
3. As a Singaporean who wants to go out more, I want a platform that gives me activities to do with my friends or even alone.

Features

The Web-based application will provide a list of routes around Singapore through riddles which they can solve with friends. Finishing routes will give users achievements, giving them a sense of satisfaction. These achievements also help users identify routes that their friends have not done, allowing them to reach out to complete these routes together. We will provide a myriad of routes, consisting not only of long and short routes but also routes in different areas of Singapore (North, South, East West) to provide convenience.

Users would be able to do the following:

- Sign up/Login
- Choose from a variety of routes all over Singapore
- Gain achievements through completing routes
- View their own profile pages showing their achievements and routes completed
- Add friends to view each others pages and achievements

Tech Stack

1. JavaScript
2. Html
3. Css
4. React
5. Firebase

Testing Tools

Version Control

GitHub

System Design

Our web app requires users to login/sign up to be able to access the different routes. There will be variety of routes for the users to try. Routes can span across different regions in Singapore or concentrate in a certain area of Singapore, and can also vary in number of places for each route. Hints will be given for each location so that users able to try and guess their next location, adding to the fun of exploring new places in Singapore.

Login

Users can log in using either their gmail account or their email and password provided it has been authenticated.

STAR



Sign in

Email Address *

Password *

☐ Remember me

SIGN IN

SIGN IN WITH GOOGLE

[FORGOT PASSWORD?](#)

[DON'T HAVE AN ACCOUNT? SIGN UP](#)

Sign In page

Sign Up

Users are also able to sign up for an account with their email and password.



Sign up

First Name *	Last Name *
Email Address *	
Password *	
SIGN UP	

[ALREADY HAVE AN ACCOUNT? SIGN IN](#)

Sign Up page

Missions

The missions page will act as the home page once the user is signed in. There are instructions for users on how to use our web app at the top of our missions page. This page contains the variety of routes that we have created for users to explore. Beside each route also contains the difficulty level and the number of users that have completed the route. Users are able to mark a route as completed by ticking the checkbox that is next to the number of users that have completed the route.

Missions

Click on any of the missions below to start! The missions are ordered from eaiest to hardest.
Each mission has a few locations for you to travel to! For each location, slowly reveal the hints one by one until you can figure out the location!
Explore the location before moving on to figure out the next location! We guarantee it will be fun!
Once you've finished an entire mission, simply tick the checkmark and we'll give you a badge on your profile!

Route	Difficulty	No. of Completions	Completed
Short Route - East	Easy	3	<input checked="" type="checkbox"/>
Short Route - North	Easy	2	<input checked="" type="checkbox"/>
Short Route - South	Easy	2	<input checked="" type="checkbox"/>
Short Route - West	Medium	0	<input type="checkbox"/>
Long Route - East/West	Hard	0	<input type="checkbox"/>
Rows per page: 5 1-5 of 6 < < > >			

Missions page

AppBar

Our appbar allows user to navigate to their profile or logout.



AppBar

Hints

Our routes contain hints for the users to find the answer to their next location.

Location 1

Hint 1 ^
This place was open quite recently in January 2020!
Hint 2 ^
There is an egg cooking station for you to cook eggs!
Hint 3 ^
You can take a foot bath here
Answer v

Example of hints given

Profile

The profile page is accessible through the appBar at the top right corner and shows the following:

- First name
- Last name
- Profile picture
- Date since account was created
- Routes completed


As earlier stated, users marks a completed route by ticking the check box on the missions page. We have made it such that profile page of users only display their completed routes.

Route	Difficulty	No. of Completions	Completed
Short Route - East	Easy	1	<input checked="" type="checkbox"/>
Short Route - North	Easy	0	<input type="checkbox"/>
Short Route - South	Easy	0	<input type="checkbox"/>
Short Route - West	Medium	0	<input type="checkbox"/>
Long Route - East/West	Hard	0	<input type="checkbox"/>

Rows per page: 5
1-5 of 6
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Mission Page of User Completing One Route

STAR



John Doe

Member since: Sat, 25 Jun 2022 06:22:31 GMT

Short Route - East

Completed:


Mon Jul 25 2022 17:02:31 GMT+0800 (Singapore Standard Time)

Profile Page of User Completing One Route

Route	Difficulty	No. of Completions	Completed
Short Route - East	Easy	1	<input checked="" type="checkbox"/>
Short Route - North	Easy	1	<input checked="" type="checkbox"/>
Short Route - South	Easy	1	<input checked="" type="checkbox"/>
Short Route - West	Medium	0	<input type="checkbox"/>
Long Route - East/West	Hard	0	<input type="checkbox"/>
Rows per page: 5 ▾ 1-5 of 6 < < > >			

Missions Page of User Completing Three Routes

STAR



John Doe

Member since: Sat, 25 Jun 2022 06:22:31 GMT

Short Route - East

Completed:
Mon Jul 25 2022 17:02:31 GMT+0800
(Singapore Standard Time)

Short Route - North

Completed:
Mon Jul 25 2022 17:04:26 GMT+0800
(Singapore Standard Time)

Short Route - South

Completed:
Mon Jul 25 2022 17:04:26 GMT+0800
(Singapore Standard Time)

Profile Page of User Completing Three Routes

In addition, we have also implemented the number of completions to be based on the number of users that have actually completed the routes.

User 1		User 2	
No. of Completions	Completed	No. of Completions	Completed
1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>
1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>
1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>
0	<input type="checkbox"/>	0	<input type="checkbox"/>
0	<input type="checkbox"/>	0	<input type="checkbox"/>
< > >		< > >	

From the 2 images above, we can see that the number of completions changes according to how many users have completed the routes.