



Why the need?



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As at End of Period	Total	Cars	Private Hire Cars 2	Taxis	Buses	Goods & other vehicles	Motorcycles
2013	974,170	607,292	16,396	27,695	17,509	144,934	160,344
2017	961,842	546,706	68,083	23,140	19,285	162,712	141,916
2018	957,006	551,575	66,480	20,581	19,379	161,511	137,480
2019 (Jul)	967,768	556,155	72,646	19,070	19,553	161,033	139,311

Why the need?



Why the need?



Climate Change



Safety



Analysis

Problem Statement



Creating a community of cyclists from all backgrounds, focusing on transportation.

BikeTransport



For those living in Singapore who want to lead a **healthier lifestyle** and **combat climate change** by cycling as transportation.

BikeTransport provides a platform for users to **view and share their stories, and advice** on. Advocate for **safe cycling routes** through the efforts of the community.



Product Box



Stakeholders



Features



Explore



- CRUD Posts
- Notifying Users

Weather



- Rainfall

Route Tracking



- CRUD Tracking Routes
- Heatmap

Competitors



Map My Ride

✓ Tracking

✗ Plotting routes

— Focuses more on exercise



Bikemap

✓ Plotting Routes

✗ Safety

— Large collection of road routes



Park Connector Network

✓ Safety

✗ Tracking & Routing

— Confusing UI/UX

Tools



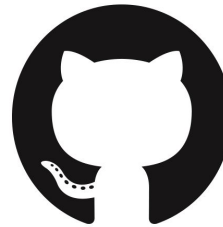
Go Language



MySQL (Docker)



Github



Google Cloud



Technical Solution



Error Handling



Security



Concurrency



Packages



Geolocation



HTML Templates



Project Timeline



Week 1

- Brainstorming
- MySQL Docker
- HTML Template
- Signup/Login
- CRUD Posts

Week 2

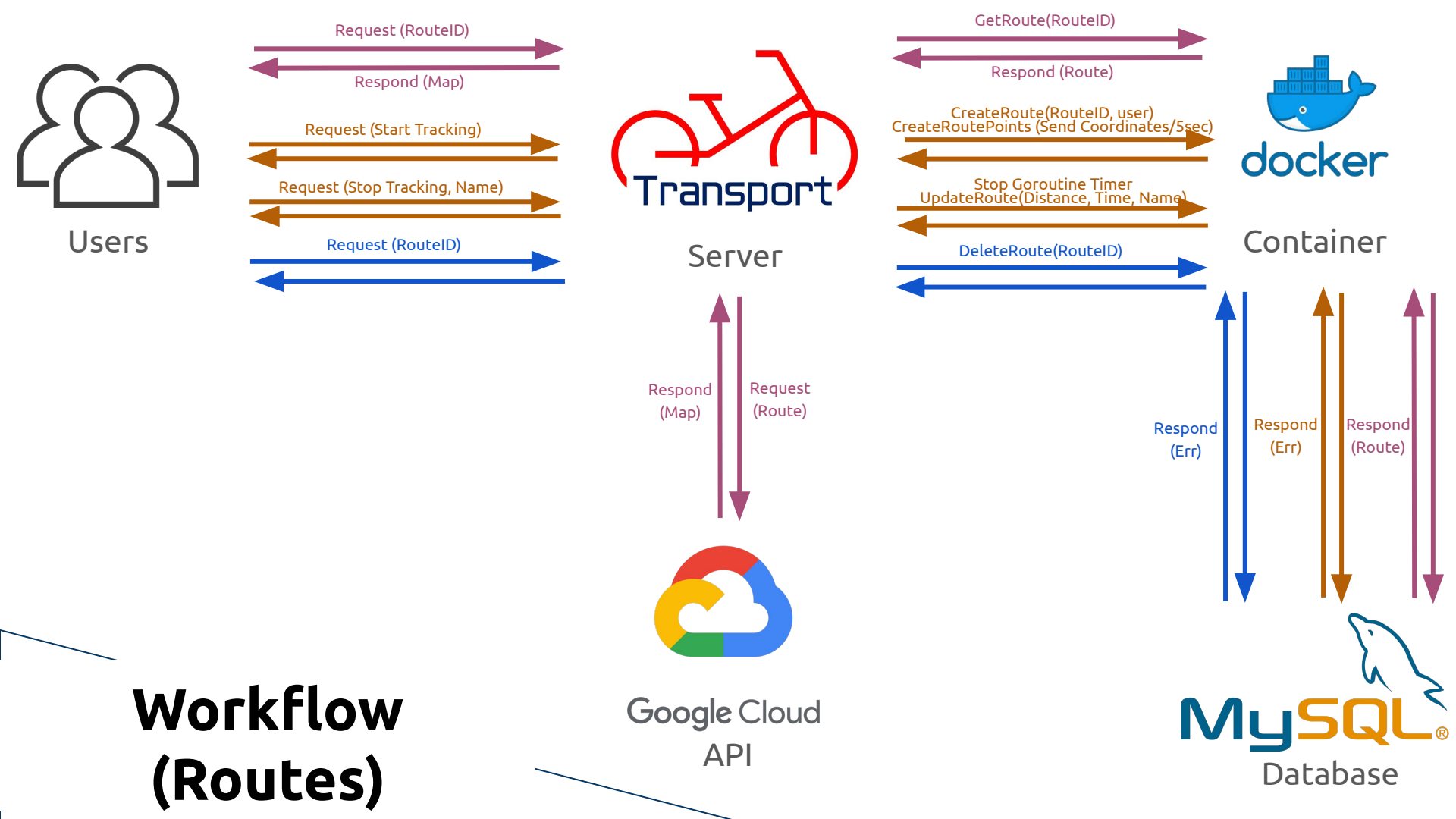
- JSON API Weather
- Plot Coordinates
- CSS
- Edit Account Details
- Tracking Routes

Week 3

- Viewing Routes
- Heatmap
- Notifications
- CICD
- Cleaning up

Demo





Future Plans



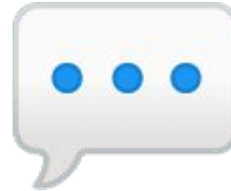
Plot Routes



Interaction



Chatbox



Rewards



Q&A

