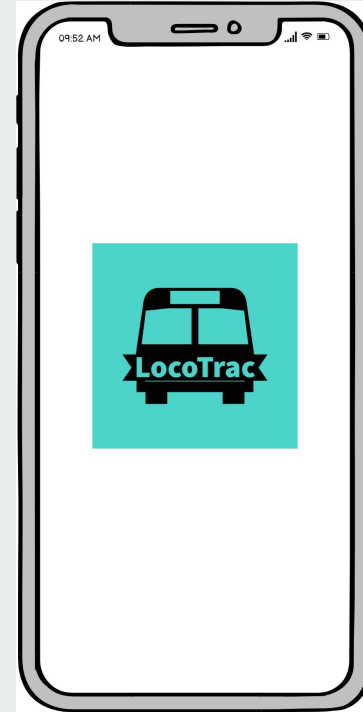




LocoTrac

Pitch Deck

Team: Tensor
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Vishnu M P
Mohammed Azhar
Ajay Philip John



The Problem

Though buses in fixed routes have scheduled timings, most of the time these schedules are not followed due to traffic and various other factors. This may create a lot of inconvenience for the passengers waiting for the bus. Also, the schedules are available at the station only, not available digitally, so people aren't able to get access to these schedules. Thus in such a situation, it would be helpful if the passengers could have a live update regarding the status of each bus.

Design a system to implement this requirement.



What customers do today

- No proper system to track local bus online
- People ask nearby shops around the bus station to know the schedule

Solution Proposal

- Real Time bus tracking system using gps data from bus
- Rush of bus calculation using data from ticketing machine of each bus
- Schedule data made available public
- Nearest bus stations identification using geo location

Choose your Language

OK

English

Malayalam

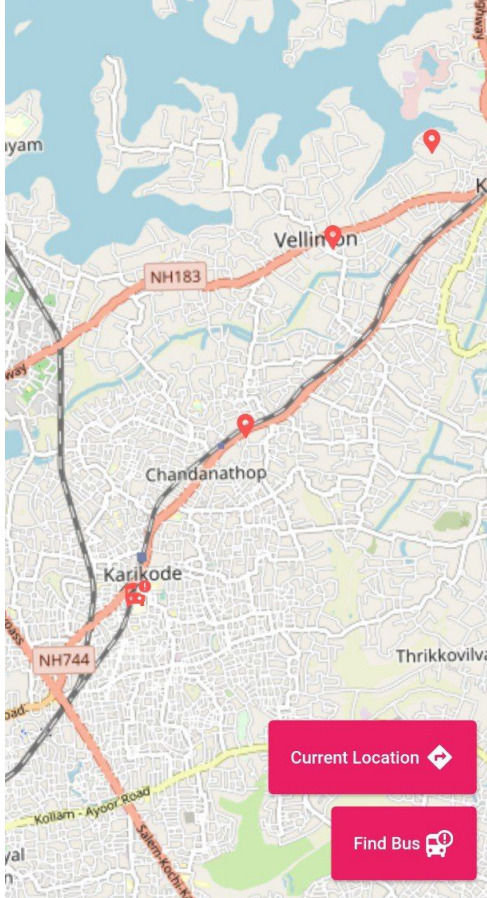
Hindi

Marathi

Gujarathi

Bengali

- The user can select in which language he wishes to use the app.



- Current location of the user will be shown using a marker
- All the bus stops nearby the user will be shown on the map
- Top button on the bottom right corner will recentre the map according to user's current location
- Lower right corner button will navigate screen to find bus

← Find your bus

Kallumthazham

Chinnakada

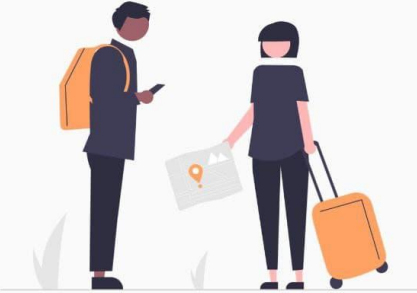
Nearby Railway Station

Nearby Airports

Date and Time

Filter

Done

An illustration at the bottom of the screen shows a man with a backpack and a woman with a suitcase looking at a map. The man is on the left, wearing a dark blue shirt and pants, with an orange backpack. The woman is on the right, wearing a dark blue shirt and pants, with an orange suitcase. They are both looking at a map that has a location pin on it.

- The user can enter the starting stop and ending stop
- The user can click on the nearby railway station or nearby airports button to automatically assign the destination
- Date and time button will navigate to date and time screen
- Filter button will navigate to the filter screen
- Done button will navigate to the bus list screen.

← Find your bus

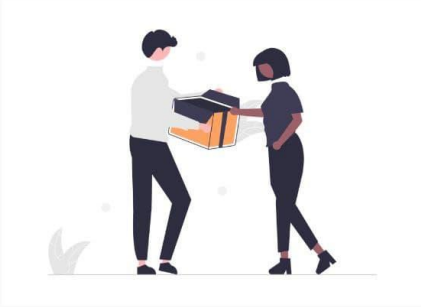
Nearby Railway Station

Nearby Airports

Date and Time



Filter

Done



No Buses in this route!

- This page will be shown if there are no buses from the starting stop to the destination stop.

 Journey time and date 

Choose your journey date

11/25/2021

Choose your journey time

11:58 AM

Using this date time screen the user can set the date and time of the journey.

←

Journey time and date

✓

Choose your journey date

SELECT DATE

Thu, Nov 25

November 2021

<

>

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

CANCEL

OK

Choose your journey date

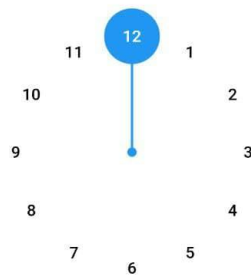
SELECT TIME

12

: 00


AM

PM



CANCEL

OK

 Filter Result

Government

Private

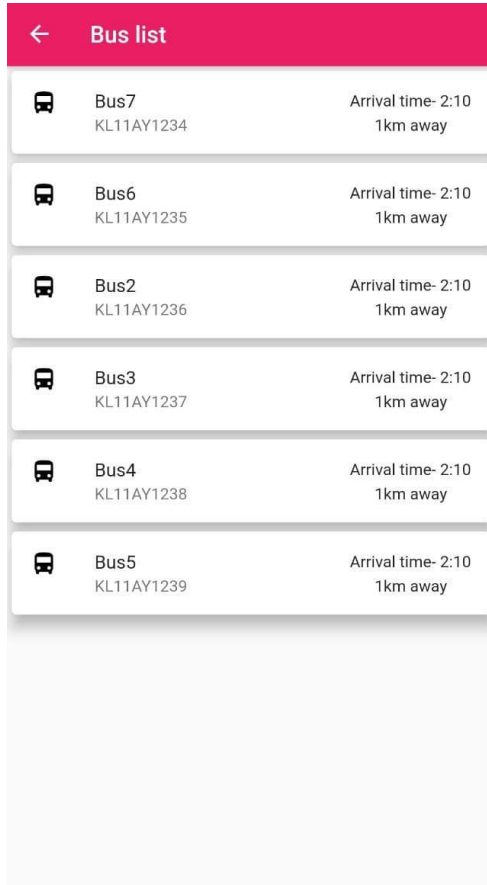
Show indirect routes

Yes

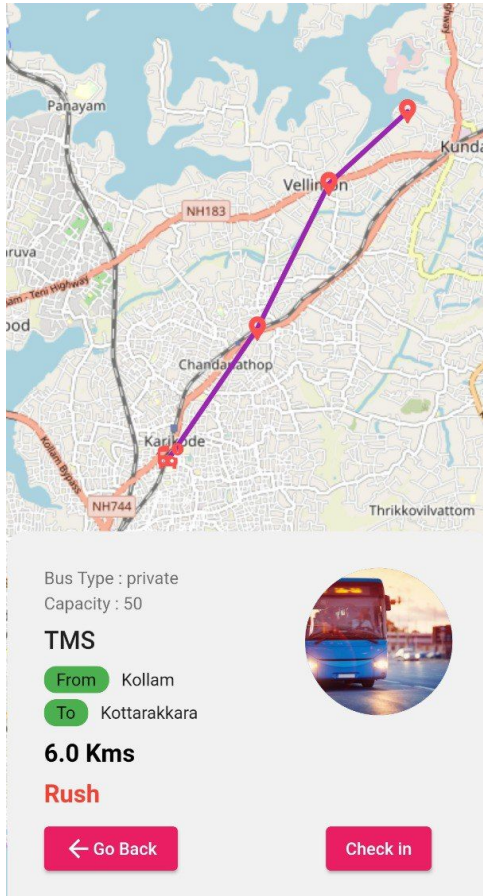
No

Done

- The user can filter if the buses should be Government or Private.
- The user can select if indirect routes connecting two stops should be shown.



- This page will list the buses connecting the starting stop and destination stop.
- The estimated arrival time will be shown.
- How far the bus is away from the station will also be shown.
- The user can select any of the buses he/she wants
- Upon clicking on any bus user will be directed to the bus details page.



- The map will show the route of the bus.
- The current location of the bus will also be shown in the map.
- Clicking on the Rush button will show if there is rush in the bus.
- Check in is clicked if the user decides to get in the bus.
- Information like Bus type ,capacity ,from and to are shown.
- Facility to get the driver number is also given.





Admin Portal

- Complete access to the admin
- Share common database with mobile application

Login

Admin Login



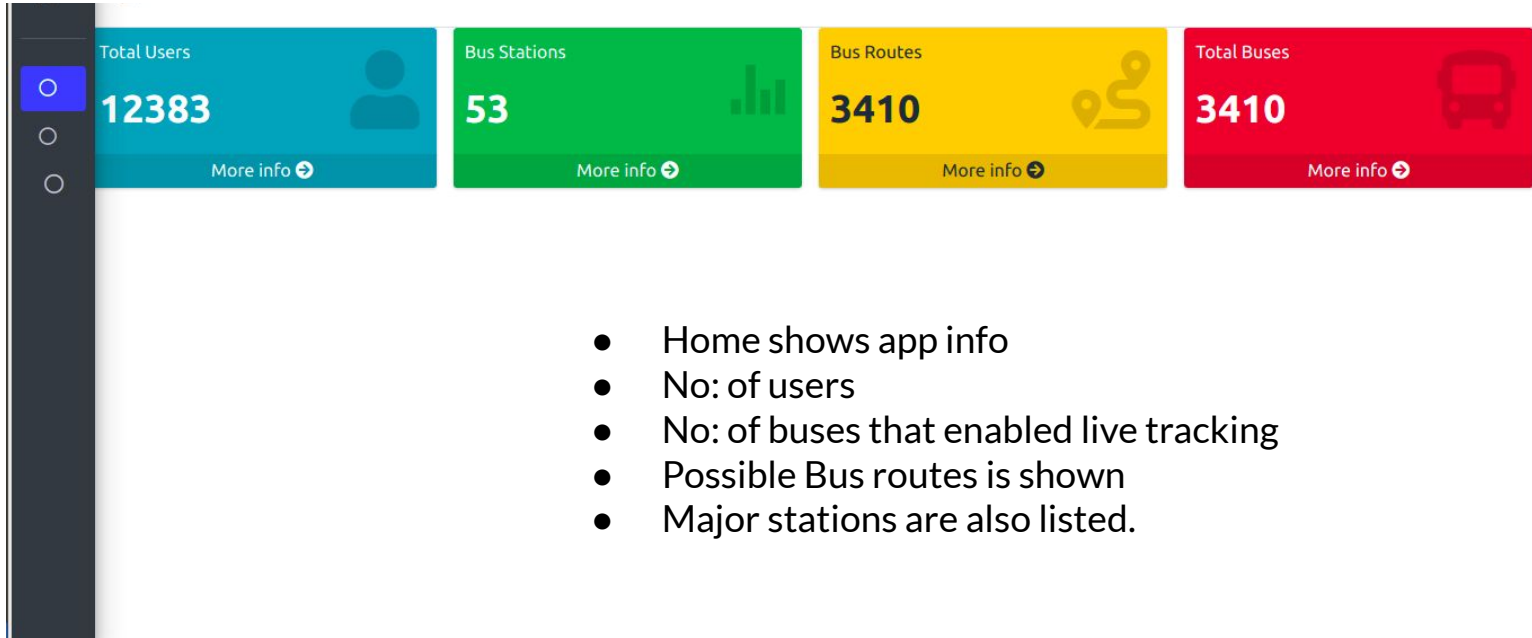


☐ Remember Me

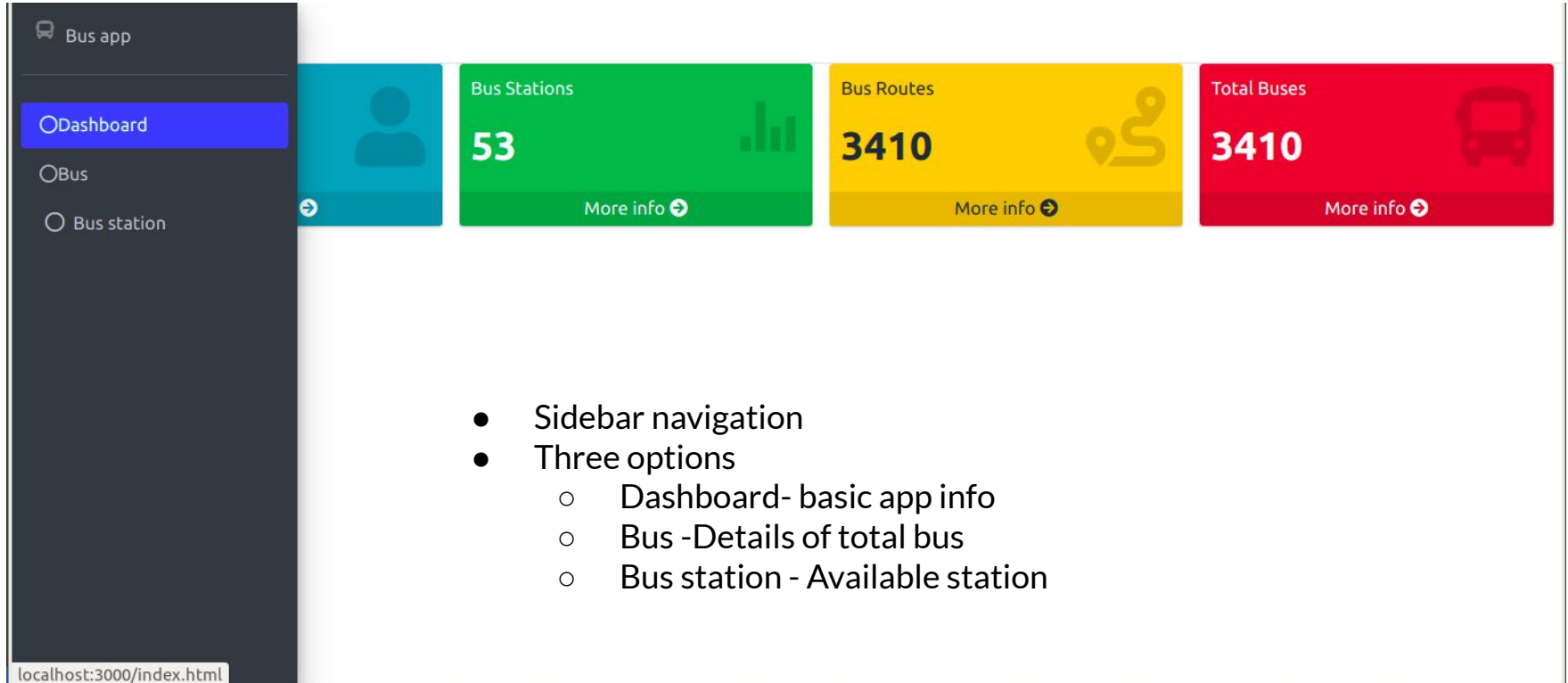
Login

- Unique login credentials
- Add, edit and delete data
- Info about app available



Home






Side Bar






Bus








Blue Hill


 Bus No: KL 60J 2435
 Phone #: + 91 91888 34333




 View route

Eastern

 Bus No:KL 59J 5496
 Phone #: +91 92821 09133



 View route

Add

Add Bus Info

Name:



Bus_no:




Phone_no:

Add

- Basic bus info
- Add option available

Bus Station





Bus Stations

District	Co-ordinates	Pincode	Is Main Station
Trivandrum	30N 86E	695241	Yes
Kollam	15N 67W	670021	Yes
Karicode	16N 32W	679212	No

▼view more

- Station details
 - Name
 - Coordinates
 - Pincode
 - Main station or not

Assumptions

- GPS data from bus will be available
- Ticketing machine data is available

