

RIDE-ON

The background is a solid blue color. On the left side, there is a white triangular shape. In the center, there is a faint, stylized pattern of leaves and branches in a lighter shade of blue. On the right side, there are several thin, white diagonal lines that cross the blue area.

By


Charan Lellaboyena

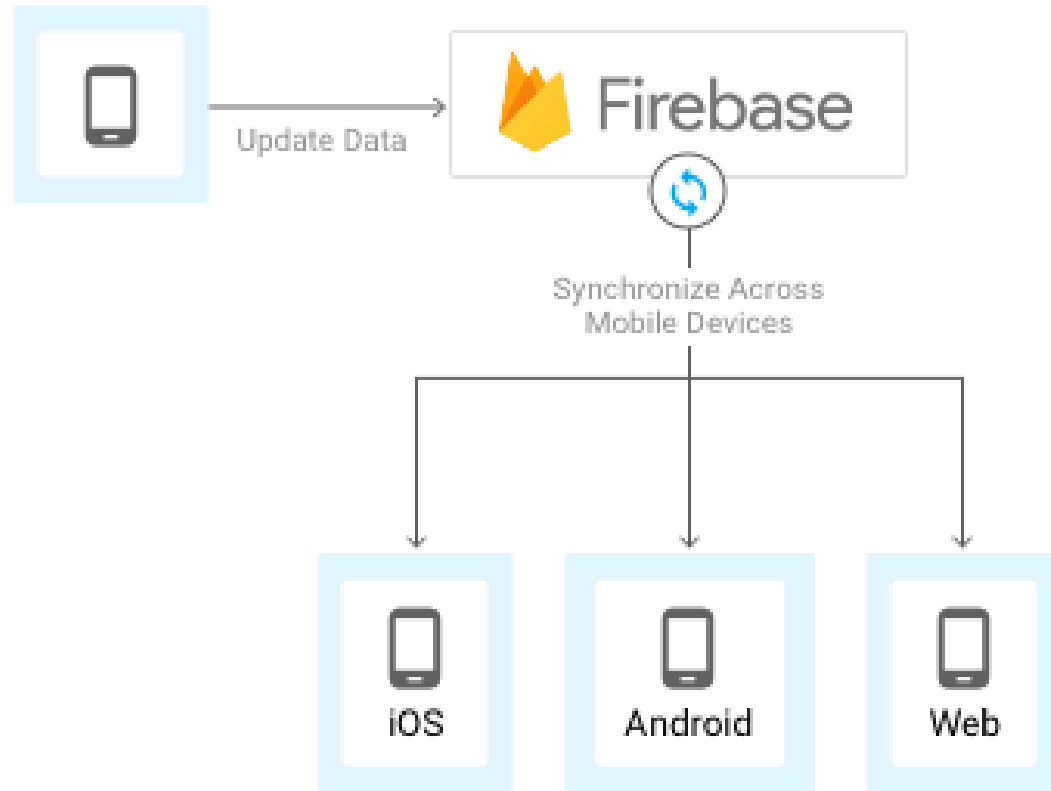
Harikanth Ghanta

Application Overview

- ▶ It's always fun to go for a bike ride in groups.
- ▶ This app encourages your group of friends to go on for longer bike rides.
- ▶ Using the app a user can create a group ride by entering the start and end points of the ride and also the time he is going to start.
- ▶ An email is sent to all the users in the group once a ride is created.
- ▶ During the ride we can access the location of each rider in the app .

CONTD.,

- ▶ App also provides the user statistics like calories burnt, distance to be travelled, average speed and time required for the ride.
 - ▶ User can also log the ride experience by using the quick post functionality.
 - ▶ After the ride all the user statistics are displayed on the leaderboard to get motivated and encouraged to beat the top riders in the leaderboard.
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- Several white lines of varying lengths and angles are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.



DESIGN ARCHITECTURE

Recommended for:

- ▶ Limiting on-device data storage by storing JSON data in the Firebase Realtime Database and files in Firebase Storage.
- ▶ Sending notifications with Firebase Cloud Messaging.
- ▶ Automated real-time data synchronization across multiple devices.
- ▶ Gracefully handling the offline case.
- ▶ Authenticating users through a variety of identity providers.
- ▶ Rapid development of a backend service.

Not recommended for:

- ▶ Apps that need a backend service to modify the synchronized data.

TECHNICAL CHALLENGES

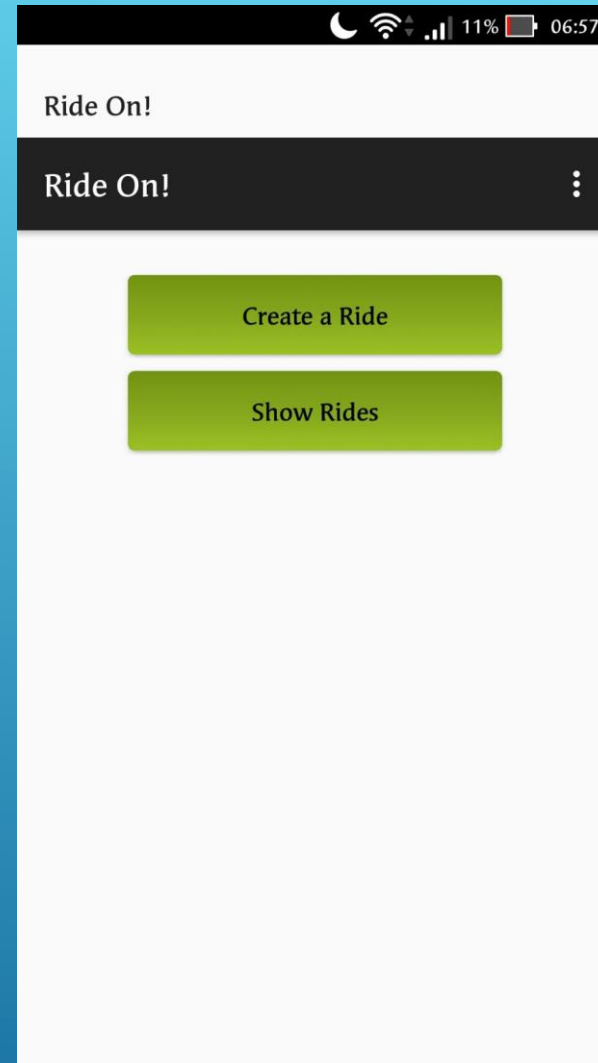
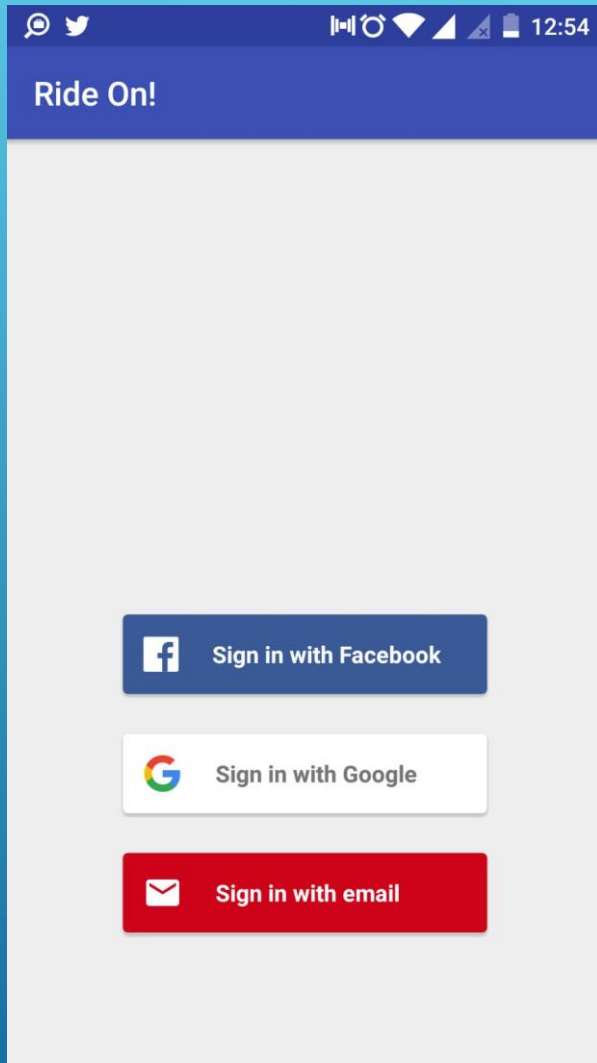
- ▶ Database access:

Major problem here is calling the methods on UI thread from AsyncTask Synchronously.

Designing database rules, setting indexes for nodes and avoiding nesting of data are major challenges

- ▶ Location Manager:

To access location manager in android it is mandatory to check permissions using checkSelfPermission method from android support library which has different compatibility issues for API below 23.



Ride On!

Name Your Ride

Starting point

Destination

Date of Your Ride

2017

Mon, May 15

< May 2017 >

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13

Ride On!

28 29 30 31

Time

9:57 AM PM

9

Create New Ride!!

Join Ride

Favorite a ride to join!

- Chatham**
23-Dec-21 21:00
- Find**
25-Dec-21 09:34
- Testy**
23-Dec-21 18:20
- Rollercoaster ride**
25-Dec-21 07:01
- cool l**
20-Feb-22 11:18
- ride 1**
20-Feb-22 17:12

Home

7:18 AM
Monday, May 15

Join Ride

First ride
7:17 – 8:17 AM
Stonybrook To West meadows
 MAP

First ride
7:17 AM, Stonybrook To West meadows

Harikanth 7:18
Joined this ride : First ride
Hello,
you joined this ride created by Charan Tej
Ride Details -
Ride Name: First ride
Starting Point: Stonybrook
End Point: West meadows
Date: 15-May-17
 ARCHIVE REPLY

DU Recorder

Home DU SCREEN RECORDER

First ride

7:17 AM, Stonybrook To West meadows

MAP

SNOOZE

Favorite a ride to join!

★

First ride

25-Dec-21 22:24

▶

★

Testy

23-Dec-21 18:20

▶

★

Chatham

23-Dec-21 21:00

▶

★

Rollercoaster ride

25-Dec-21 07:01

▶

★

Find

25-Dec-21 09:34

▶

★

go on

25-Dec-21 10:21

▶

DU SCREEN RECORDER

Stony Brook

West Meadows

18 hr

16 days

5 days

+11 min

1 hr 23 min slower

200 mi

200 km

18 hr 17 min (1179 mi)

Fastest route, the usual traffic

ROUTE INFO

PREVIEW

DU SCREEN RECORDER

Ride Details

General Details:

Ride Name

Rollercoaster ride

Source

NewYork

Destination

Queens

Date

25-Dec-21

Time

07:01

Creator

Harikanth Ghanta

Participants

Joined the ride successfully.

DU SCREEN RECORDER

Participants for Ride

Charan Teja

Charan Teja

Hari Kanth

Bob

Eve

DU SCREEN RECORDER

