

**A
Project Report
On
‘Variya Association’**

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CERTIFICATE

This is to certify that the report entitled “**Variya Association**” is a bonafide work carried out by **Deep Prajapati 18dce099** and **Jenil Savaliya 18dce106** under the guidance and supervision of **Prof. Bansari Patel** for the subject **CE352 Software Group Project-IV** of 6th Semester of Bachelor of Technology in **Department of Computer Engineering, DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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ABSTRACT

This project is about ‘Variya Association’ Mobile App Development. The stigmatic purpose of this project is to replace the manual work of Variya Society to a digital one. Our app allows community to show data about scholarship, mass wedding, advertising, news, and family member of all community from this platform. User also get event’s data which is share by admin. To feed this project, we make use of an IDE (VS code, STS, Android studio), NPM, Adobe XD for designing, Spring Boot for create APIs and React native packages. For store the user’s data we make use of MYSQL DATABASE.

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Chapter 1: Project Definition

At this time management of Variya society gives account report in book with the help of post. So, some people are devoid from it due to some

reason. Current time management doing advertisement with the help of poster and it cannot be reached to all individual. Variya Parivar gives scholarship to students but due to some reason some student cannot submit form. So, from digital medium this will become easier. So, we came up to an idea to reduce miscommunication between management and crowd. we created an app called as Variya Association. Our app replaced manual communication to a digital one. Firstly, user need to registration in this app with the help of two factor authentication and after successfully login with unique username there are functionality like Event, Gallery, Student, Wedding, News, Family.

Chapter 2: Description

Variya Association is an Android app which main purpose is to convert manual communication between management and public of Variya

society to digital one by using our app. Our app has a feature like Event, Gallery, Student, Wedding, News, Family.

Chapter 3: SYSTEMS REQUIREMENTS STUDY

3.1 User Characteristics

Our app has been made very user friendly with basic UI. To be able to use this app, the user just needs a smart-phone or tablet. And our app can be use at very low bandwidth so our app is very light-weighted it can completely load on very slow internet also so our app can be use in rural as well as urban area. So, everyone can add them self on digital platform in Variya society. And also we have created three models in this app, one for user owner, second for admin and third for super user.

3.2 Hardware Requirements

- Smart-Phone
- tablets
- Laptop or PC

3.3 Software Requirements

➤ Software require to use our App

- Android Version (jelly-bean (4.1) or above)

➤ Software use to build this project

- IDE (Android studio, VS-Code, STS, Xampp, Postman)

➤ For front-end

- Adobe XD for designing
- React Native

➤ For back-end

- Spring Boot (APIs)
- React Native packages

- NPM
- **For database**
- MYSQL

Chapter 4: Major Functionality

To provide a fluent way to get restaurant menus through our app to customer. To make life easy for both restaurant owner as well as customer as restaurant owner need to add its restaurant menus once into our app and then later, he/she can make modification into it such as items price, add new item, update item price etc. in his/her app and then his current menus will automatically updated into customer app with latest changes also there is no hassle to restaurant owner for change menus frequently. After its restaurant owner just need to create its menu QR code and placed it in his restaurant. Now customer need to just scanned these QR code to get the restaurant menus on their smart-phone using our app.

Chapter 5: Flow Chart

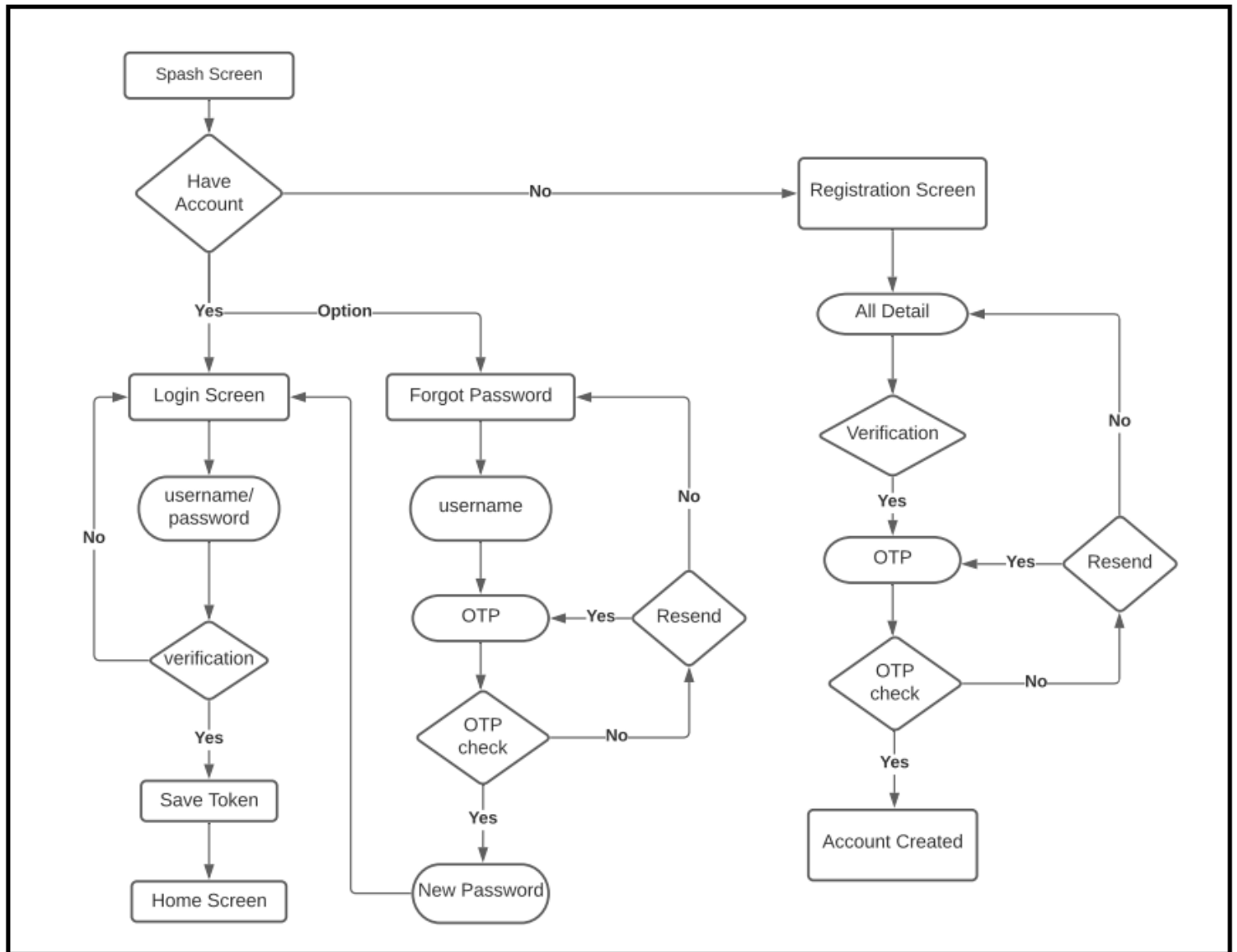


Fig 5.0 Authentication Flow Chart

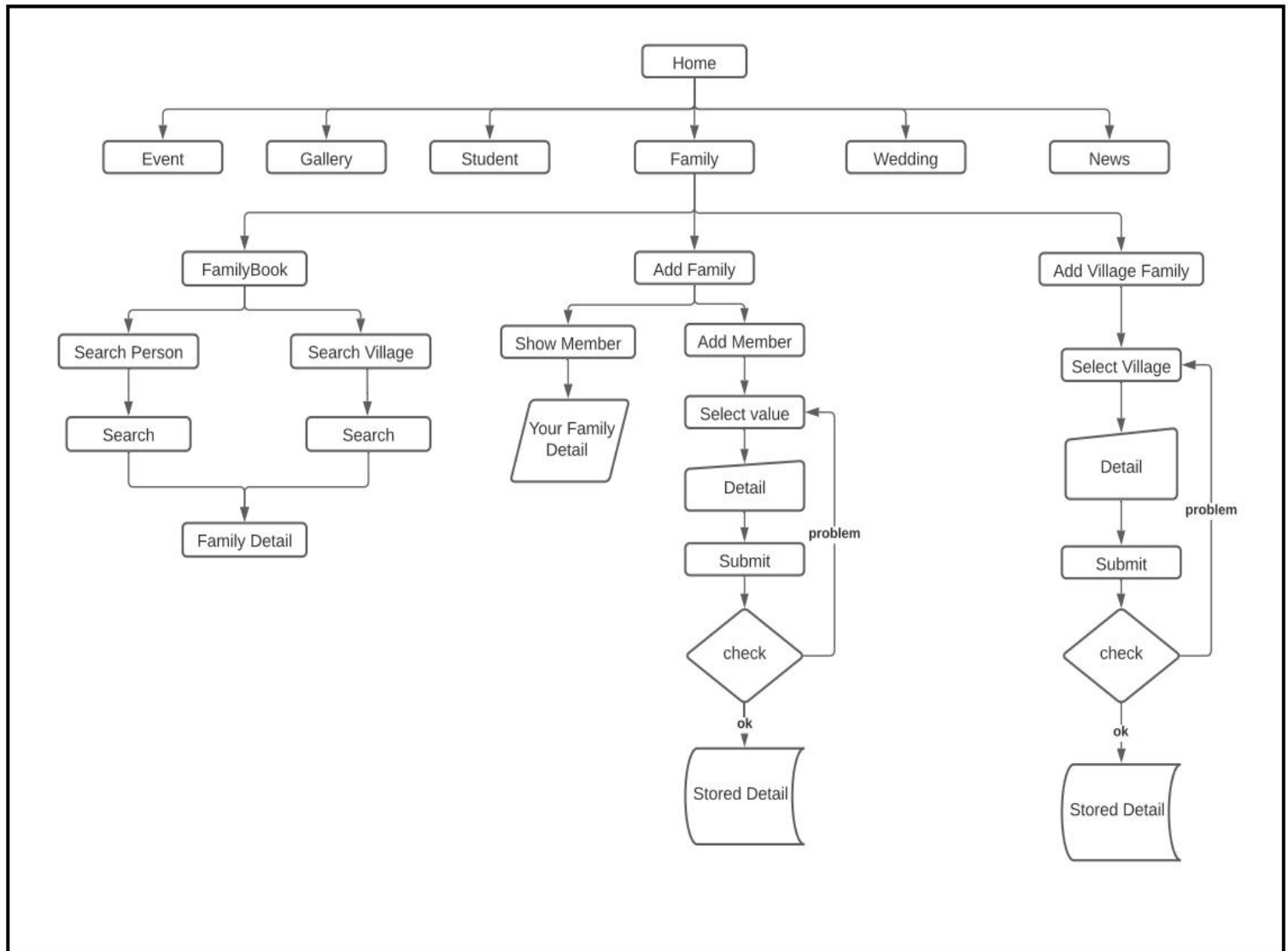


Fig 5.0 Family Flow Chart

Chapter 6: Screenshots of your project output

User screenshots:

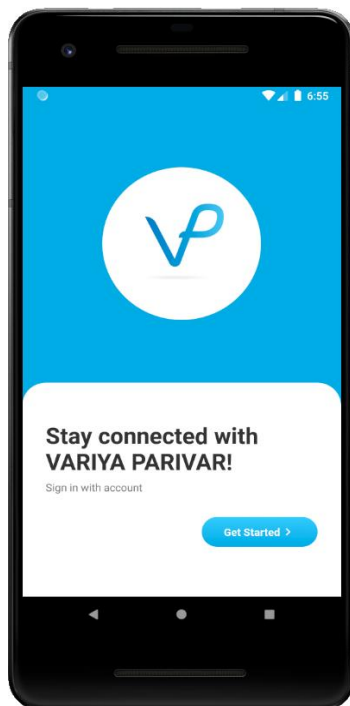


Fig 6.0 Splash Page

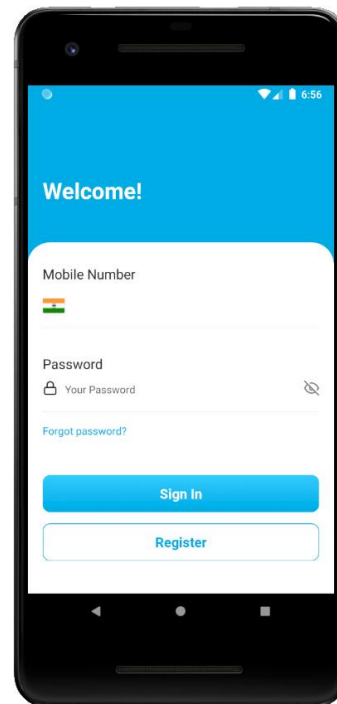


Fig 6.1 Login Screen

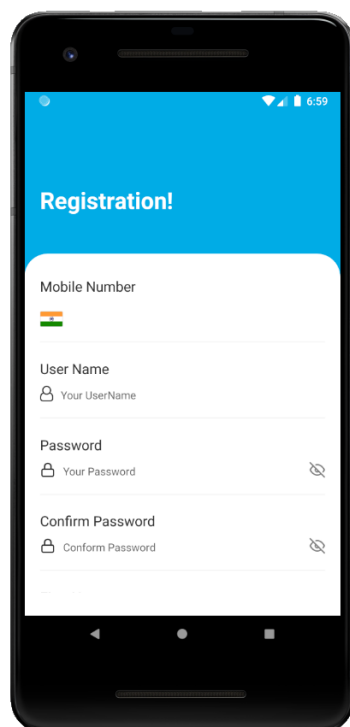


Fig 6.2 Registration Screen-1

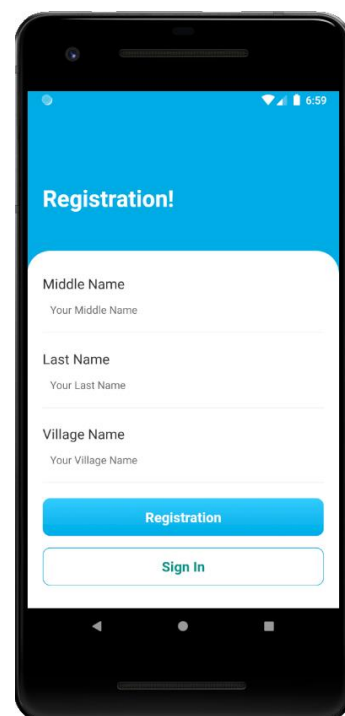


Fig 6.3 Registration Screen-2

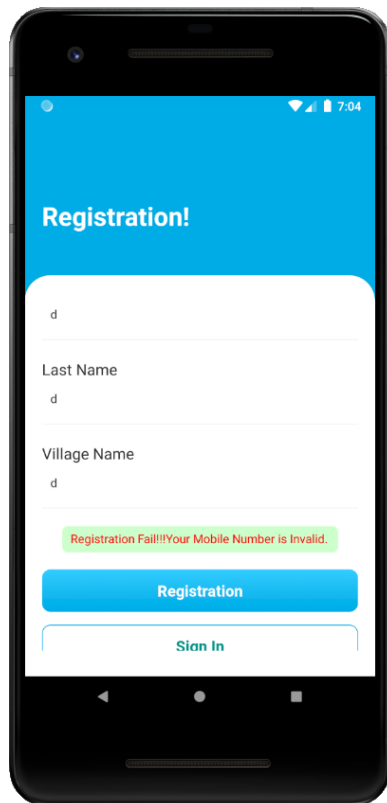


Fig 6.4 Registration Screen Error

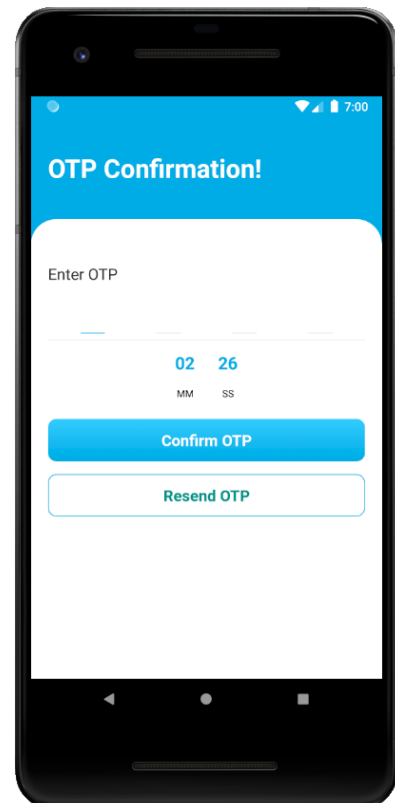


Fig 6.5 OTP Screen

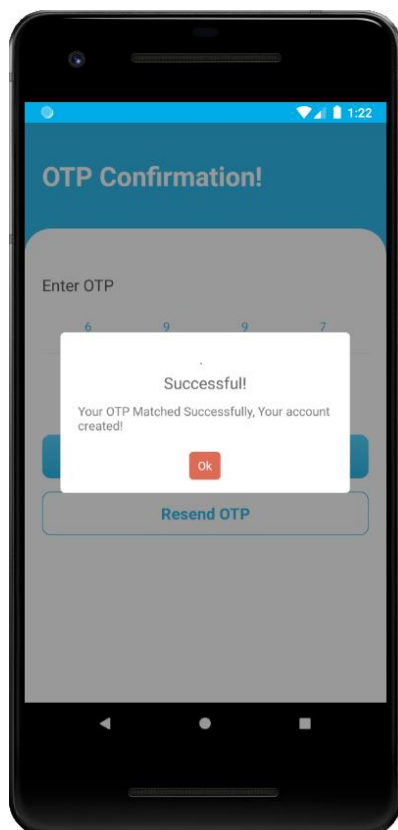


Fig 6.6 Successful Registration

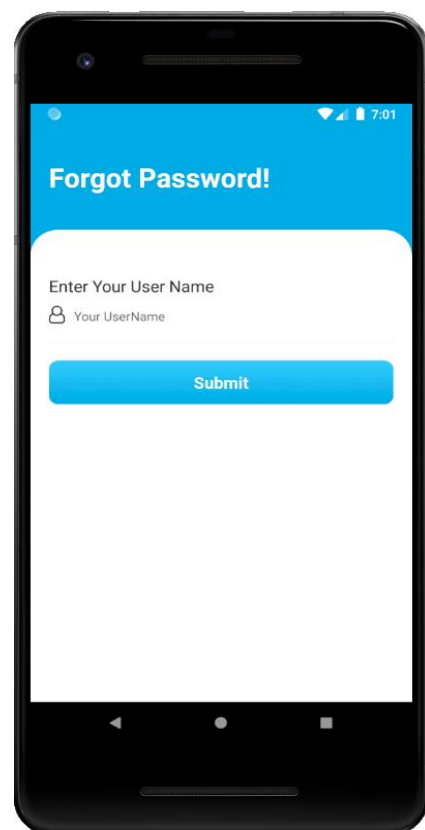


Fig 6.7 Forgot Password Screen1

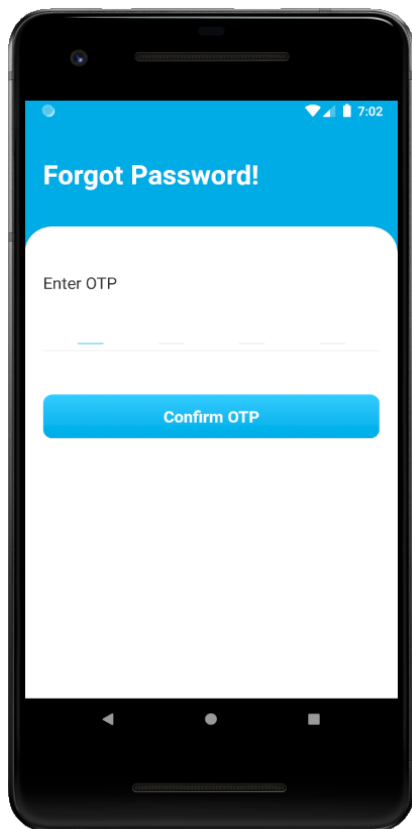


Fig 6.8 Forgot Password Screen2

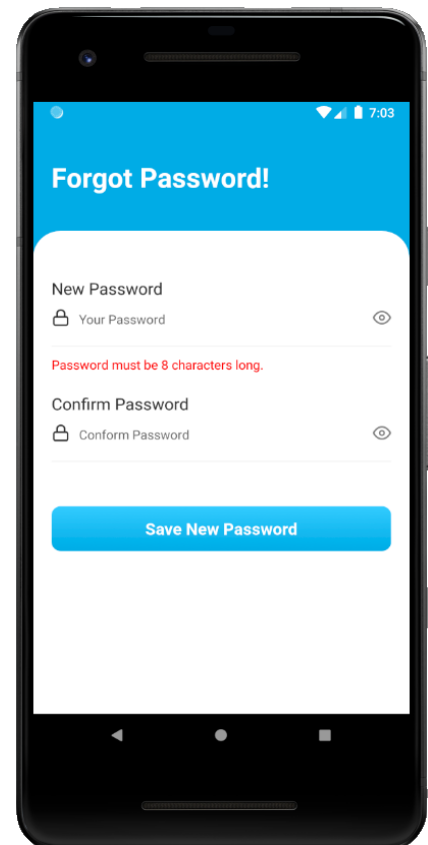


Fig 6.9 Forgot Password Screen3

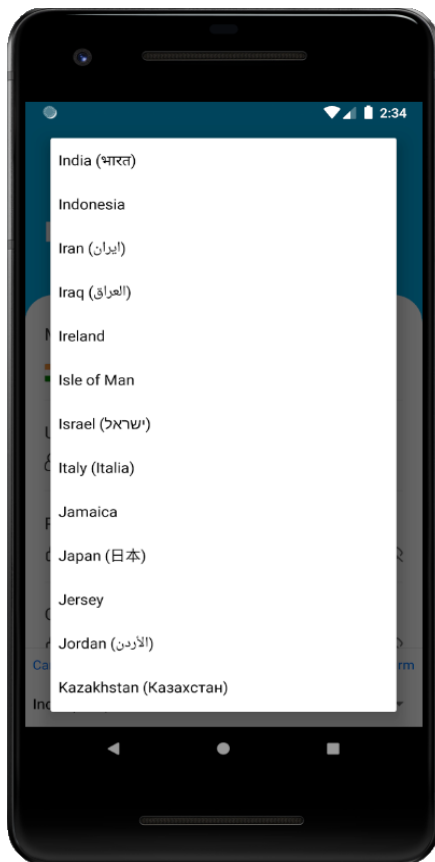


Fig 6.10 Country Selection

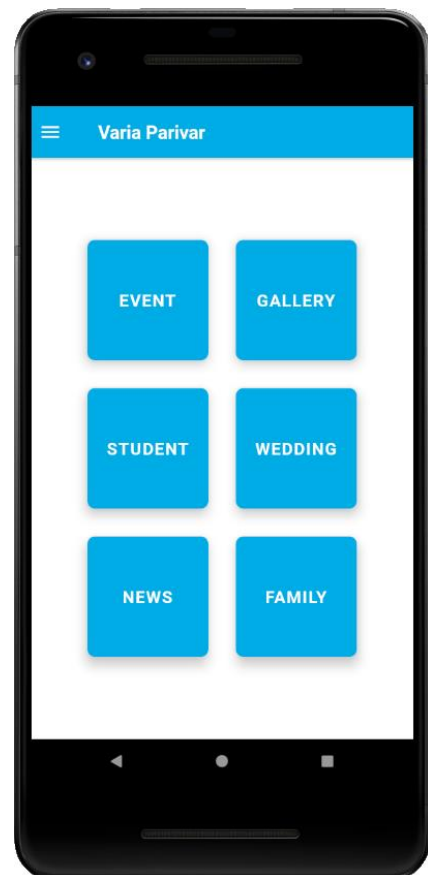


Fig 6.11 Home Screen

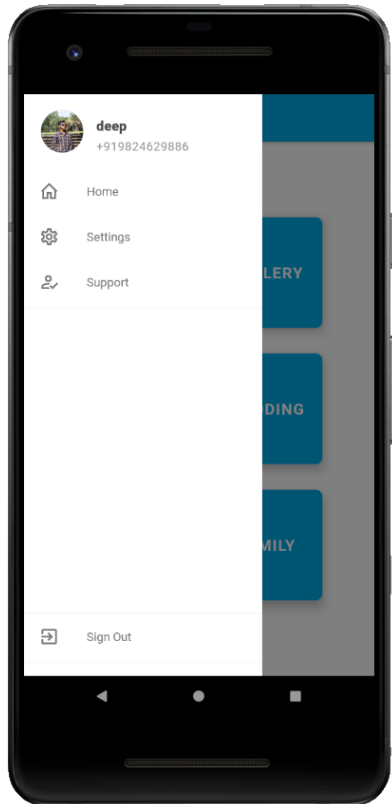


Fig 6.12 Menu Screen

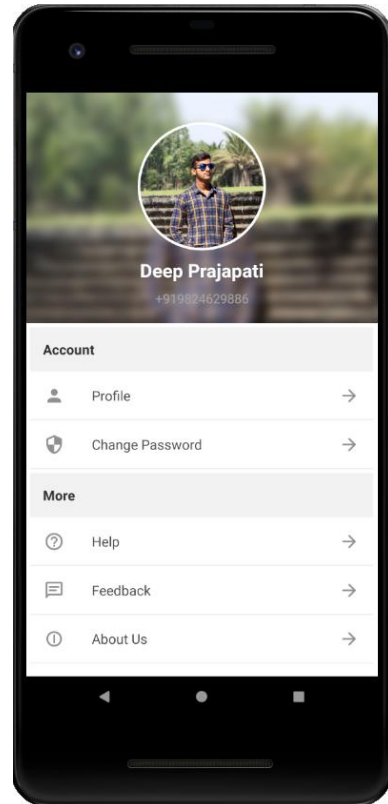


Fig 6.13 Setting Screen

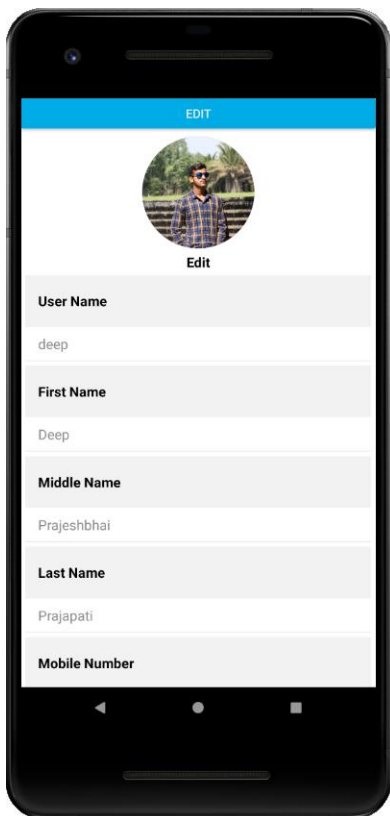


Fig 6.14 Detail Screen

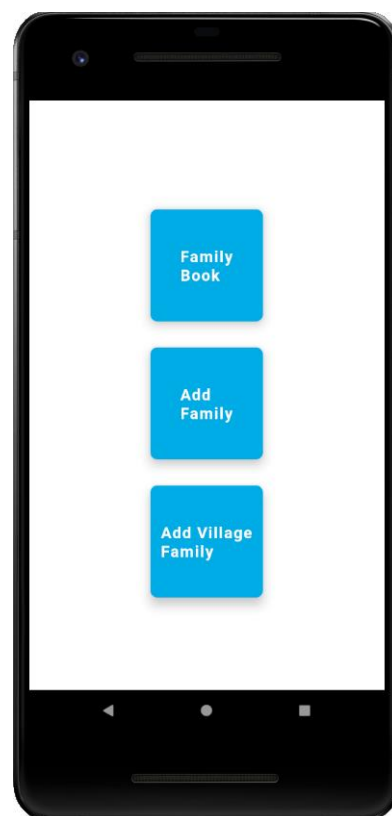


Fig 6.15 Family Screen

Add Your Family

Village

Gada

Have Father Detail:- ☒ First Person:- ☐

Gender:- Male:- ☐ Female:- ☒

Married Status:- single:- ☒ married:- ☐

Name

Enter Name

Father

Check Your Data

Submit

Fig 6.16 Add Village Family By Admin Screen

Add Your Family

Village

Gada

Have Father Detail:- ☒ First Person:- ☐

Gender:- Male:- ☐ Female:- ☒

Name

Jenil

have Account:- Y

Father Name

Deep

Check!!

Name: Jenil
Village: Gada
TalukaName: Sojitra
District: Anand
HaveAccount: false
Username: gender: m
Father: Deep

Cancel

Check Your Data

Submit

Fig 6.17 Check Data Before Submit

ADD MEMBER

Father ▾

Deep

Submit

SHOW MEMBER

Fig 6.18 Link Family Detail By User

ADD MEMBER

SHOW MEMBER

Your Name

Deep

Father

Prajeshbhai

Mother

Ushaben

Partner

Hiiiiiiii

Fig 6.19 Show User's Linked Family Detail

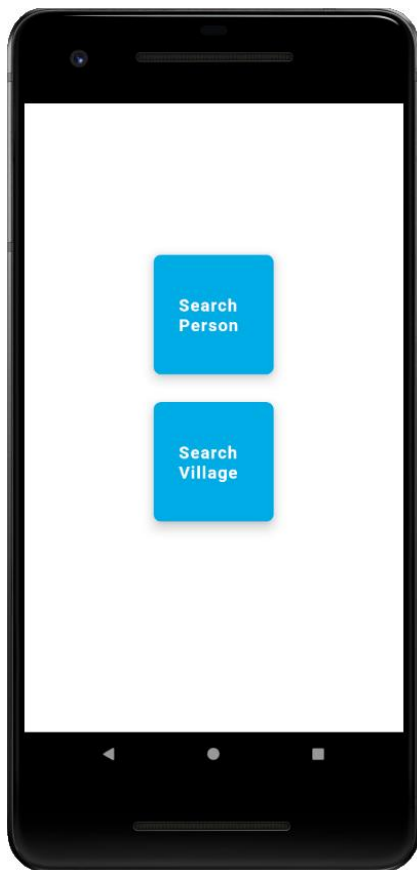


Fig 6.20 Family Book Screen

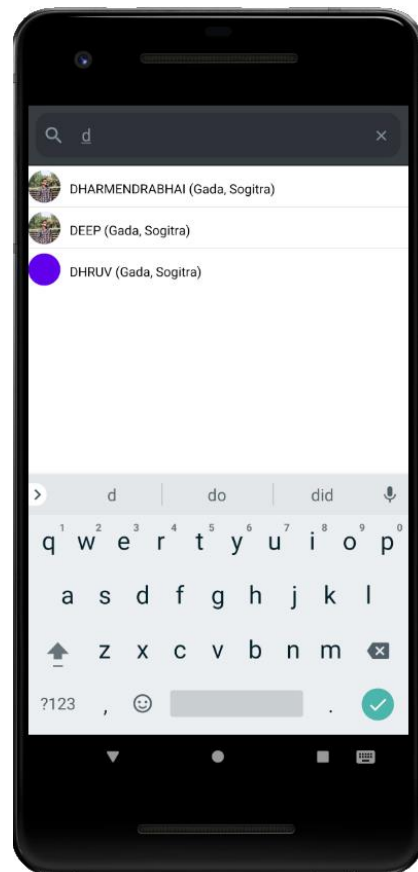


Fig 6.21 Search Screen

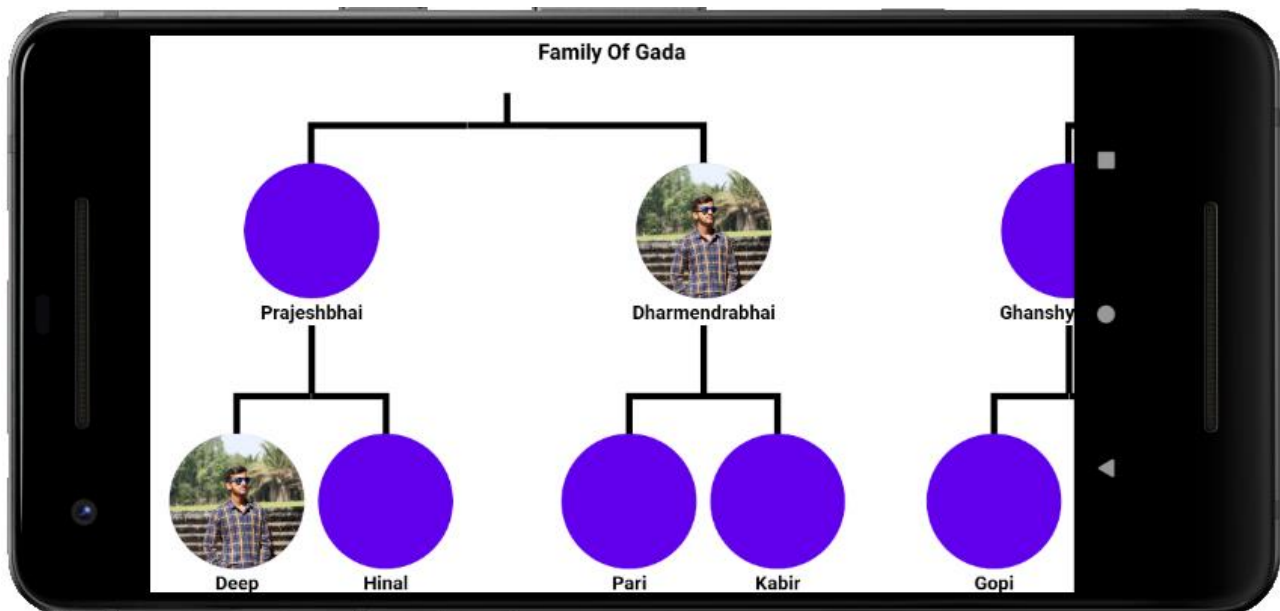


Fig 6.22 Show Family Detail Of Village

DATABASE SCREENSHOTS:

Server: 127.0.0.1 » Database: extra » Table: user

Showing rows 0 - 8 (8 total, Query took 0.0003 seconds.)

SELECT * FROM `user`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	uid	country_code	enable	first_name	last_name	middle_name	mobile_number	password	role	tfa_code	tfa_default_dype	tfa_expire_time	username	village
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	0	NULL	0	hmm	hmm	hmm	9925082131	NULL	ROLE_USER	NULL	NULL	NULL	dpdp	GADA
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	+91	0	Dharmendra	Prajapati	Punambhai	9925082131	\$2a\$10\$6Dkh6D.691QYDnY2wwkKZ.0M1EE9YqfF/P228vaQ7JB...	ROLE_USER	NULL	NULL	NULL	d3	Gada
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	None	1	Deep	Prajapati	Prajeshbhai	+919824629886	\$2a\$10\$m32c6TD0x.5te.2S5xQF90TNIu.ouMnRp0GNrJe5zW...	ROLE_USER	4067	NULL	NULL	deep	Gada
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	None	1	d	d	d	+919824629886	\$2a\$10\$htuqA2CWF/29ZVEkO6nuNuZtatJwVhVQQK26IDZp...	ROLE_USER	2994	NULL	NULL	d	d
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	NULL	0	fff	fff	fff	555	NULL	ff	NULL	NULL	NULL	fff	f
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	NULL	NULL	sss	sss	sss	NULL	NULL	ss	NULL	NULL	NULL	NULL	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	112	+91	0	Dharmendra	Prajapati	Punambhai	9925082131	\$2a\$10\$V0i2TRQnedAmU3WBgXAlaywZuM4pEuxmmMwU3hdLT...	user	NULL	NULL	NULL	d5	Gada
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	118	None	1	d	d	d	+919824629886	\$2a\$10\$8n8luYsMw1bZwqEqRi6nIOGXLGW1R9.5VQdtk1wRHX...	user	6719	NULL	NULL	deep1	d
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	121	None	1	d	d	d	+919824629886	\$2a\$10\$9XOFEnCwLMRyva2oJw9Gou0zbXN4ZoogGNS17rPeNdD...	user	6997	NULL	NULL	dd	d

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Fig 6.23 User Data

Showing rows 0 - 5 (6 total, Query took 0.0002 seconds.)

SELECT * FROM `user_profile_detail`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	uid	profile_picurl	username
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	http://192.168.225.234:8085/profile_image/20190903_...	d3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	http://192.168.225.234:8085/profile_image/20190903_...	deep
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	8	http://192.168.225.234:8085/profile_image/man%20log...	d
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	113	NULL	d5
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	119	NULL	deep1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	122	NULL	dd

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Fig 6.24 User's Picture Data

Server: 127.0.0.1 • Database: extra • Table: family

Showing rows 0 - 21 (22 total, Query took 0.0003 seconds.)

SELECT * FROM `family`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PH]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	family_id	have_account	mobile_number	name	taluka_name	username	village	wife_name	parent_id	gender	profile_pic	district	partner	parent2_id	partner_id
<input type="checkbox"/> Edit Copy Delete	1	0	NULL	Becharbhai	Sogitra	NULL	Gada	Chancharben	NULL	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	2	0	NULL	Punambhai	Sogitra	NULL	Gada	Madhuben	1	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	3	0	NULL	Kantibhai	Sogitra	NULL	Gada	Madhuben	1	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	4	0	NULL	Jentibhai	Sogitra	NULL	Gada	NULL	1	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	5	0	NULL	Ramanbhai	Sogitra	NULL	Gada	Kailasben	1	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	6	0	NULL	Prajeshbhai	Sogitra	NULL	Gada	Ushaben	2	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	7	0	NULL	Dharmendrabhai	Sogitra	NULL	Gada	Rinaben	2	m	http://192.168.225.234:8085/profile_image/20190903...	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	8	1	9824629886	Deep	Sogitra	NULL	Gada	NULL	6	m	http://192.168.225.234:8085/profile_image/20190903...	Anand	single	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	9	0	NULL	Hinal	Sogitra	NULL	Gada	NULL	6	f	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	10	0	NULL	Pari	Sogitra	NULL	Gada	NULL	7	f	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	11	0	NULL	Kabir	Sogitra	NULL	Gada	NULL	7	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	12	0	NULL	Ghanshyambhai	Sogitra	NULL	Gada	Sunitaben	3	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	13	0	NULL	Shirishbhai	Sogitra	NULL	Gada	Komalben	3	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	14	0	NULL	Muniben	Sogitra	NULL	Gada	NULL	3	f	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	15	0	NULL	Gopi	Sogitra	NULL	Gada	NULL	12	f	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	16	0	NULL	Dhruv	Sogitra	NULL	Gada	NULL	12	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	17	0	NULL	Harsh	Sogitra	NULL	Gada	NULL	13	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	18	0	NULL	Vaishaliben	Sogitra	NULL	Gada	NULL	5	f	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	19	0	NULL	Bhavesbhai	Sogitra	NULL	Gada	Krishnaben	5	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	25	0	NULL	Ranchhodhbhai	Sogitra	NULL	Gada	Kokilaben	NULL	m	NULL	Anand	NULL	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	44	0	NULL	Ushaben	Sogitra	NULL	Gada	NULL	NULL	f	NULL	Anand	NULL	NULL	6
<input type="checkbox"/> Edit Copy Delete	63	0	NULL	Hiiiiiii	Sogitra	NULL	Gada	NULL	NULL	f	NULL	Anand	NULL	NULL	8

↑ ☐ Check all | With selected: Edit Copy Delete Export

Fig 6.25 Village Family Data

Chapter 7: Limitation of project

- Our app can't have language option. So, those users who are not good in English language they feel difficulty for use.
- User does not link family data before admin add that person's detail in village data.

Chapter 8: Outcome

- User can easily update their family detail.
- User easily show event data, which is uploaded by admin.
- User can show latest information about community in News.

Chapter 9: Future Enhancements

- We can launch our app on play store
- We can improve app UI.
- We can add one chat clone like WhatsApp.

Chapter 10: References

1. <https://reactnative.dev/> (official documentation of React Native) (React Native, n.d.)
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3. <https://www.npmjs.com/> (packages from React Native) (npmjs, n.d.)
4. <https://spring.io/guides/gs/spring-boot/> (Spring Guid, n.d.)
5. https://www.tutorialspoint.com/spring_boot/spring_boot_introduction.htm (tutorialspoint, n.d.)
6. https://www.youtube.com/playlist?list=PL0zysOfIRCelmjxi-g4jLr3WKraSU_e8q (Durgesh, 2020)
