

**A
Project Report
On
‘Talex’**

Prepared by:

Deep Prajapati 18dce099

Jenil Savaliya 18dce106

Aashray Zaveri 18dce142

Under the guidance of

Prof. Saiyed Atufaali ,

Nilesh Dubey.

A Report Submitted to
Charotar University of Science and Technology
For Partial Fulfillment of the Requirements for the
5th Semester Software Group Project-III (CE352)

Submitted at



**Department of Computer Engineering
Devang Patel Institute of Advance Technology and Research
At: Changa, Dist: Anand – 388421
October 2020**



CERTIFICATE

This is to certify that the report entitled “**Talex**” is a bonafied work carried out by **Deep Prajapati 18dce106, Jenil Savaliya 18dce106, Aashray Zaveri 18dce142** under the guidance and supervision of **Prof. Saiyed Atufaali ,Prof. Nilesh Dubey** for the subject **CE352 Software Group Project-III** of 5th 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.

Prof. Saiyed Atufaali
Assistant Professor
Department of Computer Science & Engineering
DEPSTAR, CHARUSAT, Changa, Gujarat.

Prof. Dweepna Garg
I/C Head of Department
Department of Computer Engineering
DEPSTAR, CHARUSAT, Changa, Gujarat

Dr. Amit Ganatra
Principal, DEPSTAR
Dean, FTE
CHARUSAT, Changa, Gujarat.

**Devang Patel Institute of Advance Technology And Research At: Changa,
Ta. Petlad, Dist. Anand, PIN: 388 421. Gujarat**

ACKNOWLEDGEMENT

Words have never expressed human sentiments. This is only an attempt to express my deep gratitude which comes from my heart.

It is great pleasure for me to express my deep feeling of gratitude to my respected guide **Prof. Saiyed Atufaali** (Assistant Professor), **Prof. Nilesh Dubey** for their great encouragement and constant support which provided desired moral and confidence to carry on my work. It is with profound gratitude that I wish to express my gratefulness to them for their valuable and expert guidance and Supervision in completion of this project work.

I would also like to thank **Dr. Amit Ganatra Sir (Principal)** for allowing us to work on this project.

I am grateful to my parents for their lovable support. Last but not least I am thankful to my friends & other faculty members for their direct & indirect help for completion of this project.

DeepPrajapati 18DCE099
Jenil Savaliya 18DCE106
Aashray Zaveri 18dce142

ABSTRACT

- This project is about 'Talex' Mobile App Development. The stigmatic purpose of this project is to diminish the time taken by all physical tasks performed in industries ,office, companies to minutes.
- From stock entries ,stock summaries to employee details and conversing with employee, our app has it all.
- All the work that business man and stocks and data manager used to do in tally(except bill making) and in excel can be done by anyone without any prior knowledge of using it.

To feed this project, we make use of an IDE (Android studio), Adobe XD for designing, Firebase for google authentication .To store the user's data we used FIREBASE FIRESTORE DATABASE.

Table of Contents

TITLE	i
CERTIFICATE.....	ii
ACKNOWLEDGEMENT.....	iii
ABSTRACT.....	1
Chapter 1: Project Defination.....	4
Chapter 2: Description	4
Chapter 3: SYSTEMS REQUIREMENTS STUDY	4
3.1 User Characteristics	4
3.2 Hardware Requirements	5
3.3 Software Requirements.....	5
➤ Software require to use our App.....	5
➤ Software use to build this project	5
➤ For front-end.....	5
➤ For back-end	5
➤ For database.....	5
Chapter 4: Major Functionality.....	6
Chapter 5: Screenshots of your project output.....	7
User screenshots:	8
Dashboard	8
Employee details	8
Product entry	8
Stock Summaries	8
DATABASE SCREENSHOTS	9
Fig 6.22 Signup/Login Data	9
Fig 6.23 Stocks Entry Data	9
Chapter 6: Limitation of project	10
Chapter 7: Outcome	10
Chapter 8: Future Enhancements	10
Chapter 9: References	10

Chapter 1: Project Definition

- Often times , if we are a newbies in excel and tally we are not equipped with better knowledge to do what we wish for. So in order to eradicate the problems for the very new users , we came up with an idea of making an application that would be suitable for users of both. A User can update stocks delete it and most importantly would have access to track the stocks. Moreover a company manager can communicate with their employees by using our app.

Chapter 2: Description

Talex is an Android app which main purpose is to convert physical tasks of companies to digital one by using our app.



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 use our app to generate the details about their stocks as well as employees details .

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 or VS-Code)

➤ For front-end

- Adobe XD for designing

➤ For back-end

- Firebase (for google authentication)

➤ For database

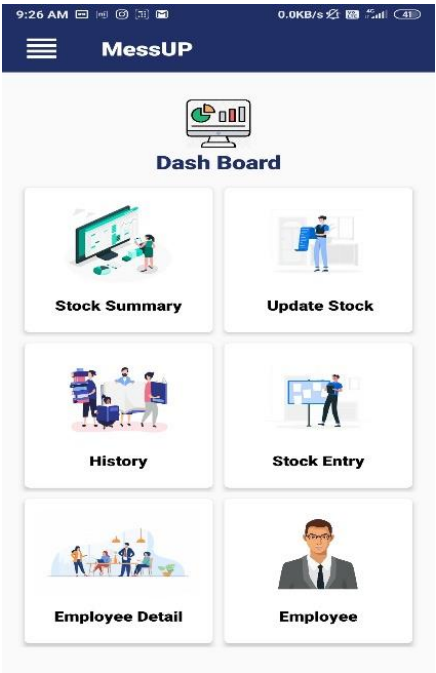
- Firebase Firestore

Chapter 4: Major Functionality

- Faster: The model resides on the device and does not require internet connectivity. Thus, the inference is very fast and has an average latency of only a few milliseconds.
- Resource efficient: The model has a small memory footprint on the device.
- Privacy-friendly: The user data never leaves the device and this eliminates any privacy restrictions.

Chapter 6: Screenshots of your project output

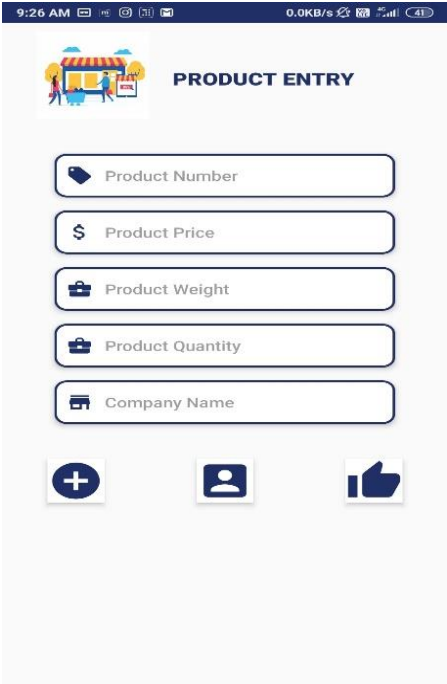
User screenshots:



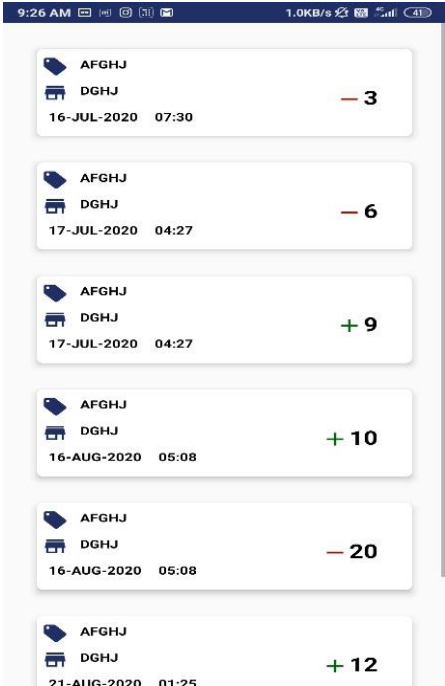
Dashboard



Emoloyee Details

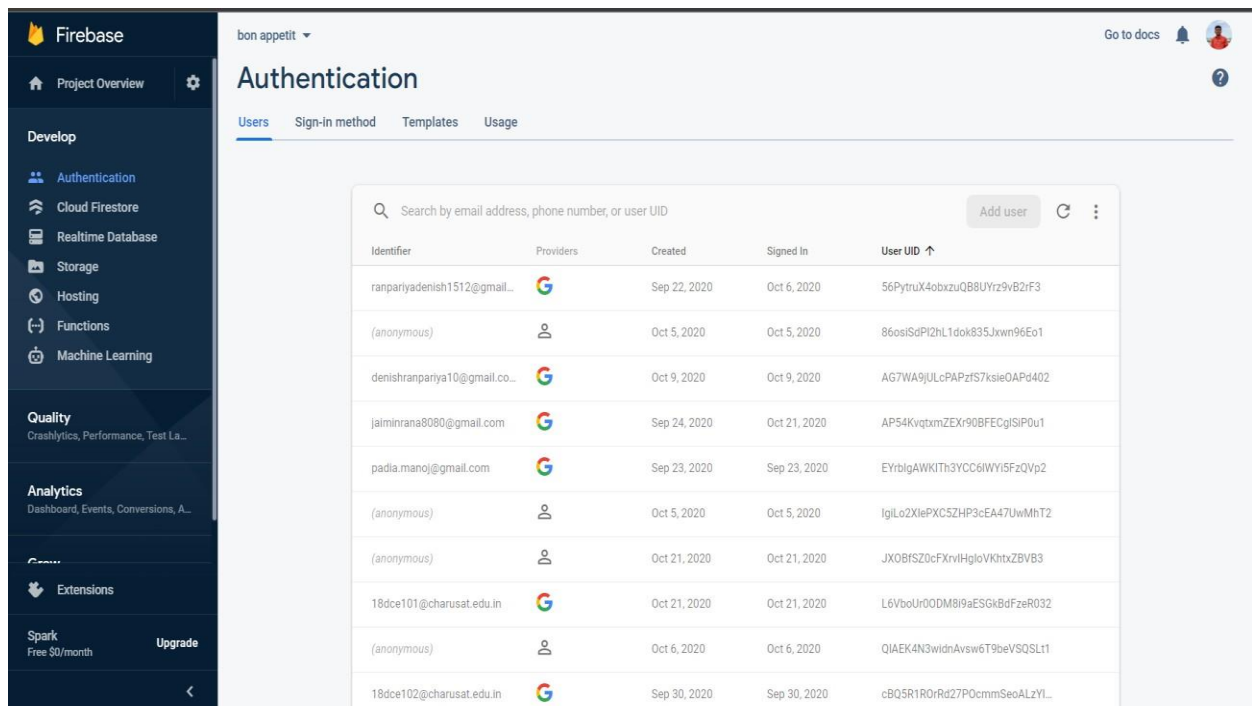


Product Entry



Stock Summaries

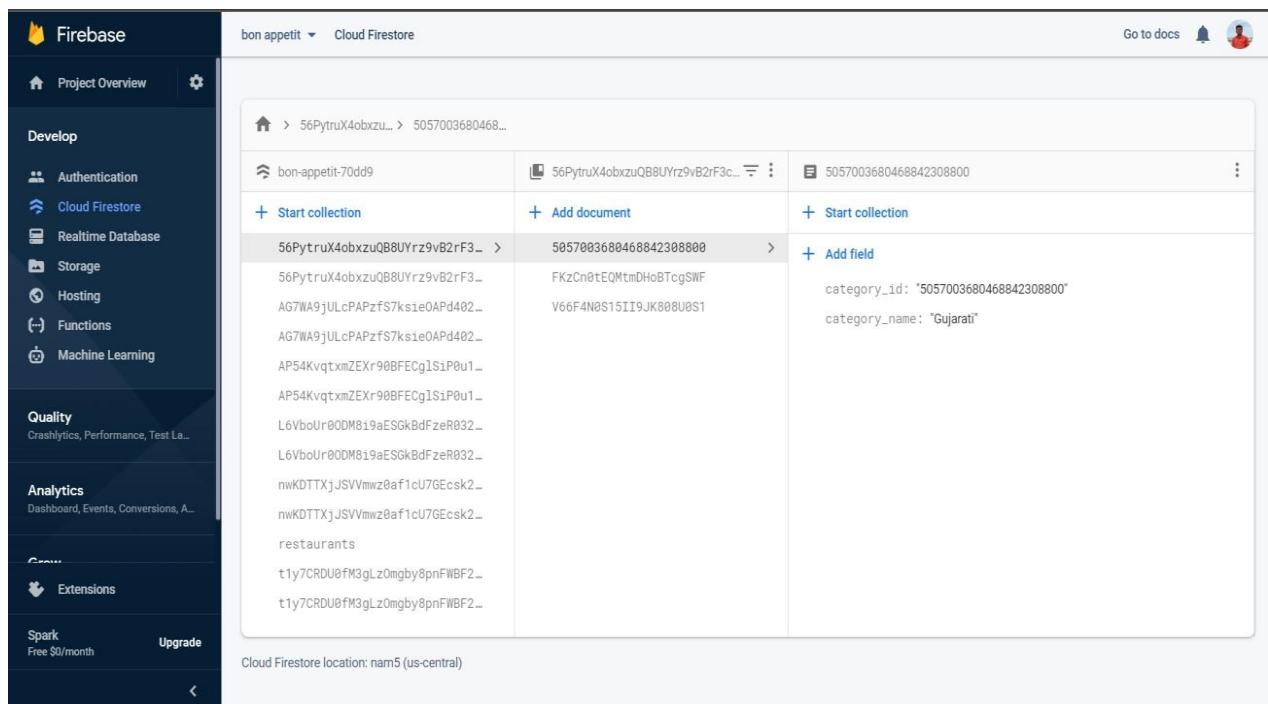
DATABASE SCREENSHOTS:



The screenshot shows the Firebase Authentication console for the project 'bon appetit'. The 'Users' tab is selected, displaying a table of users. The table has columns for Identifier, Providers, Created, Signed in, and User UID. The data includes various email addresses and anonymous users, with their respective creation and login dates and unique User UIDs.

Identifier	Providers	Created	Signed in	User UID
ranpariyadenish1512@gmail...	Google	Sep 22, 2020	Oct 6, 2020	56PytruX4obxzuQB8UYrz9vB2rF3
(anonymous)	Anonymous	Oct 5, 2020	Oct 5, 2020	86osiSdPI2hL1dok835Jxwn96Eo1
denishranpariya10@gmail.co...	Google	Oct 9, 2020	Oct 9, 2020	AG7WA9jULcPAPzfS7ksieOAPd402
jaiminrana8080@gmail.com	Google	Sep 24, 2020	Oct 21, 2020	AP54KvqtxmZEXr90BFECglSiP0u1
padia.manoj@gmail.com	Google	Sep 23, 2020	Sep 23, 2020	EYrblgAWKlTh3YCC6lWYi5FzQVp2
(anonymous)	Anonymous	Oct 5, 2020	Oct 5, 2020	IglLo2XlePXC5ZHP3cEA47UwMhT2
(anonymous)	Anonymous	Oct 21, 2020	Oct 21, 2020	JXOBfSZ0cFXrviHgl0VKhtzZBV83
18dce101@charusat.edu.in	Google	Oct 21, 2020	Oct 21, 2020	L6VboUr00DM8i9aESGk8dFzeR032
(anonymous)	Anonymous	Oct 6, 2020	Oct 6, 2020	QIAEK4N3widnAvsw6T9beVSQLt1
18dce102@charusat.edu.in	Google	Sep 30, 2020	Sep 30, 2020	cBQ5R1R0Rd27P0cmmSeoALzYL...

Fig 6.22 Signup/Login Data



The screenshot shows the Firebase Cloud Firestore console for the project 'bon appetit'. The 'Cloud Firestore' tab is selected, displaying a collection named '56PytruX4obxzuQB8UYrz9vB2rF3...'. The collection contains documents with fields like 'category_id' and 'category_name'. The 'Add document' button is visible, and the 'Add field' button is also present.

Document ID	Fields
56PytruX4obxzuQB8UYrz9vB2rF3...	category_id: "5057003680468842308800", category_name: "Gujarati"

Fig 6.23 Stocks entry data

Chapter 7: Limitation of project

- Our app can't be used for making bills as of now like tally.

Chapter 8: Outcome

- User can easily manipulate their stocks count.

Chapter 9: Future Enhancements

- We can launch our app on playstore
- We can improve app UI.

Chapter 10: References

1. <https://dart.dev/guides> (official documentation of dart)
2. <https://pub.dev/> (packages from flutter)
3. <https://www.thenetninja.co.uk/>
4. <https://github.com/iampawan>
5. <https://firebase.google.com/docs> (official documentation of firebase)
