

Short-cut Messenger App

Mobile Application
Development
PROJECT



01

ABOUT US

02

ABOUT IT

03

INTRODUCTION

04

Functional & Non-Functional
requirements

05

TOOLS USED

06

Snapshots

TABLE OF CONTENTS

01 : ABOUT US

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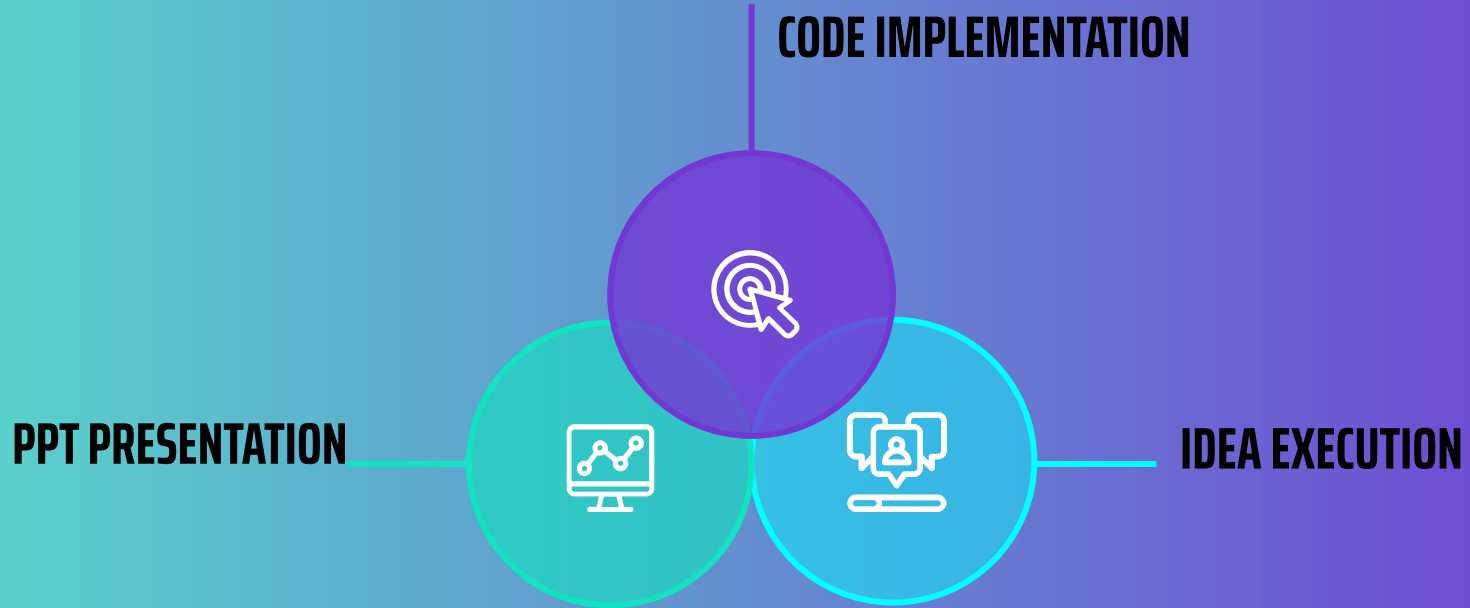
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Skanda Prasad

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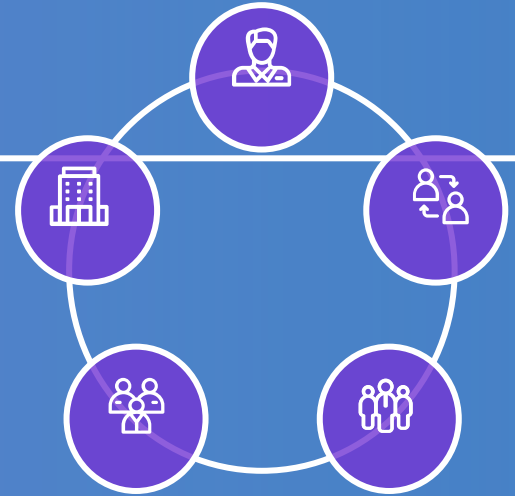


OUR AREAS OF EXPERTISE



ABOUT THE Application, We have aimed on creating and making an Efficient App whose Main Use Case is to provide a SHORT And Easy method of sending a Direct Message to An Unsaved Mobile Number or A Contact already saved and present on the local system.

02: ABOUT IT





How the Application comes into play is that The user may not have to search for the desired application to send the message if he/she is in a hurry, Rather they can directly open the **SHORT-CUT MESSENGER** Application,

- Type in the desired Message
- Choose or type in the Mobile Number
- And is quickly Redirected to The Desired Messaging App

This is effectively useful in cases where the user has ALOT of applications on the local system or isnt able to find the required App on time.

Majorly helps with the Productivity of a Person.

03: INTRODUCTION AND USER INTERFACE



MISSION

Achieved a User-Friendly Application which Enables the use of Multiple Platforms from a single application Boosting the productivity of an individual massively.

Also enables the Work and User Efficiency of different platforms .

VISION

Was to create a dynamic app which can be easy to use and take Efficiency to a new level.

INTRODUCTION AND USER INTERFACE

Other Functionalities of the App include:

- Accessing Multiple Messaging Platforms at a once and being able to select and send the messages to the desired application without any hassle.
- Apart from messaging, The application also has the functionality to send multiple images to different messaging platforms VIA the **SHORT-CUT MESSENGER App**, the process for sending images is simple and very similar to sending messages
- Related to the previous point, High Definition HD images or 4K images can also be loaded via a url link, AS there are many Apps such as Instagram and Snapchat which does not allow the user to send High defination quality photos but With this added functionality through our APP, High defination quality photos can be sent through A URL link.
- Another good use case is that the user need not always have the contact of the person saved on the local system, Our App can directly locate the person on **various platfroms and send in the required message without the need of saving the number and makes it quick, easy**



ADVANTAGES



Works even if u dont have whatsapp contact saved,Message can directly be sent to required contact.



Image can be we can shared through bluetooth if internet is not available,A huge Advantage which other Messaing Platforms do not support.



Send images URL along with text to any User Platform.



Images saved to local system can be sent directly like messages are sent



Similarly can Send messages if internet is not avaialable VIA Bluetooth to any other device which Enables Productivity even when no Internet is available .

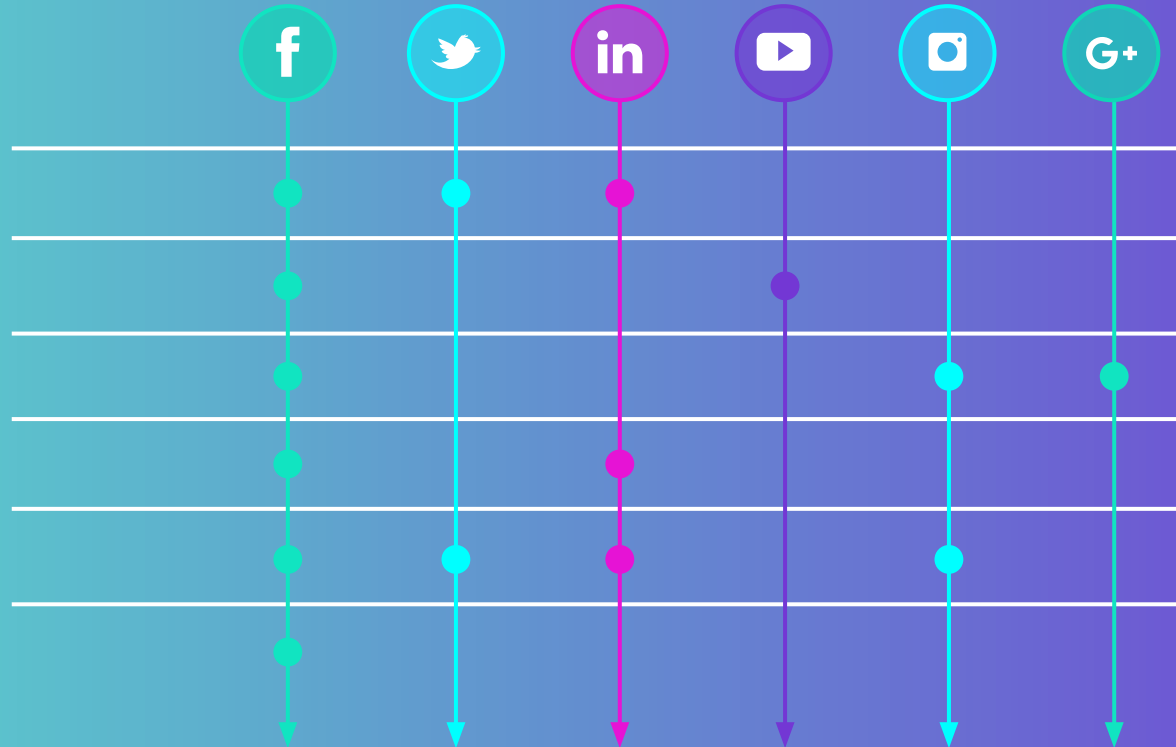


Productivity gets a good Boost for Users who do Not want to go through the hassle of looking for contacts or look for Multiple Platfortms.



If any og the meesaging platforms are not available,Thre is not restriction of sending messages,Messages can still be sent through alternate apps or via Email as well.

CONTENT SHARING PLATFORMS





FUNCTIONAL REQUIREMENTS

It usually includes all requirements in a list form that do and the way it should function. A person who already has expertise in software development and understands about the mobile platform can build this because it needs details and includes time.

Purpose:

Sending a image or text or both to any social media user via any app on the local device through this platform

Specific requirements:

- Access to storage
- URL of the image to share (optional)

Overall description:

The description document consists of product vision, business rules, and assumptions

NON FUNCTIONAL REQUIREMENTS

- **Usability:**

Since the users are assumed to have the common knowledge of using an easy smart phone application, there are no specific usability requirements.

- **Reliability:**

The Application should be available 24/7.



- **Performance & Speed:**

Response time for a transaction : average ~ 5 seconds , maximum ~ 15 seconds

- **Throughput :**

1 image and unlimited lines of text on one share..

Connection Failure :

1. Push Notification when there is no Internet connection.
2. Push Notification when there is no whatsapp application.
3. Push Notification when there is no access to file location.

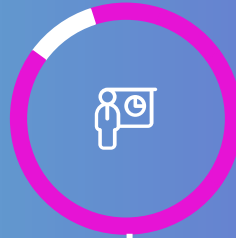
Resource utilization : Memory: %5 Disk: %1 Communications: %0.1

tools used



Hardware Requirements:

1. **Processor:** android version 4 and above
2. **Memory Space:** 5MB (Availability space)
3. **RAM:** 1GB



Tools/Languages:

1. **Android Studio**
2. **Android Emulator**
3. **JDK 15**
4. **Java Programming language**
5. **Whatsapp API**
6. **Internet Connection(optional)**
7. **Bluetooth or other Sharing services**



Software Requirements:

1. **Operating System:** Android
2. **Minimum SDK:** Android 4.1(Jelly Bean)
3. **Disk usage:** 4-8 mb

IMPLEMENTATION:

Concepts Used:

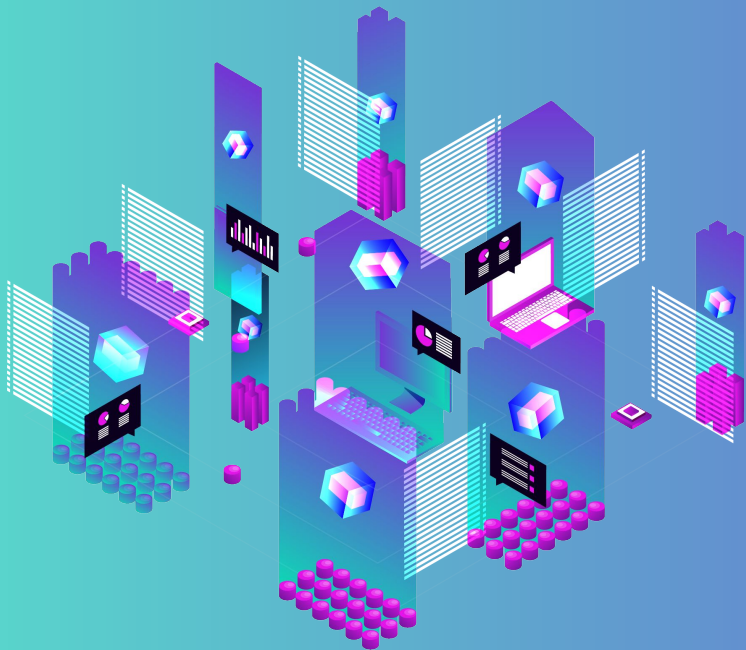
- Linear Layout
- Relative layout
- COUNTRY Picker

- Button
- Edit Text
- View Text
image View



- Toast
- Custom Background
- Permissions
- Progress bar

- Intents
- URL ,URI
- ImageView
- Alert Dialog Box



APP OVERVIEW

SHARE YOUR MESSAGE
THROUGH ANY APP ON THE
DEVICE VIA SHORT-CUT
MESSENGER

OVERVIEW

IMAGE SHARING

Through:
URL
GALLERY

TEXT MESSAGING

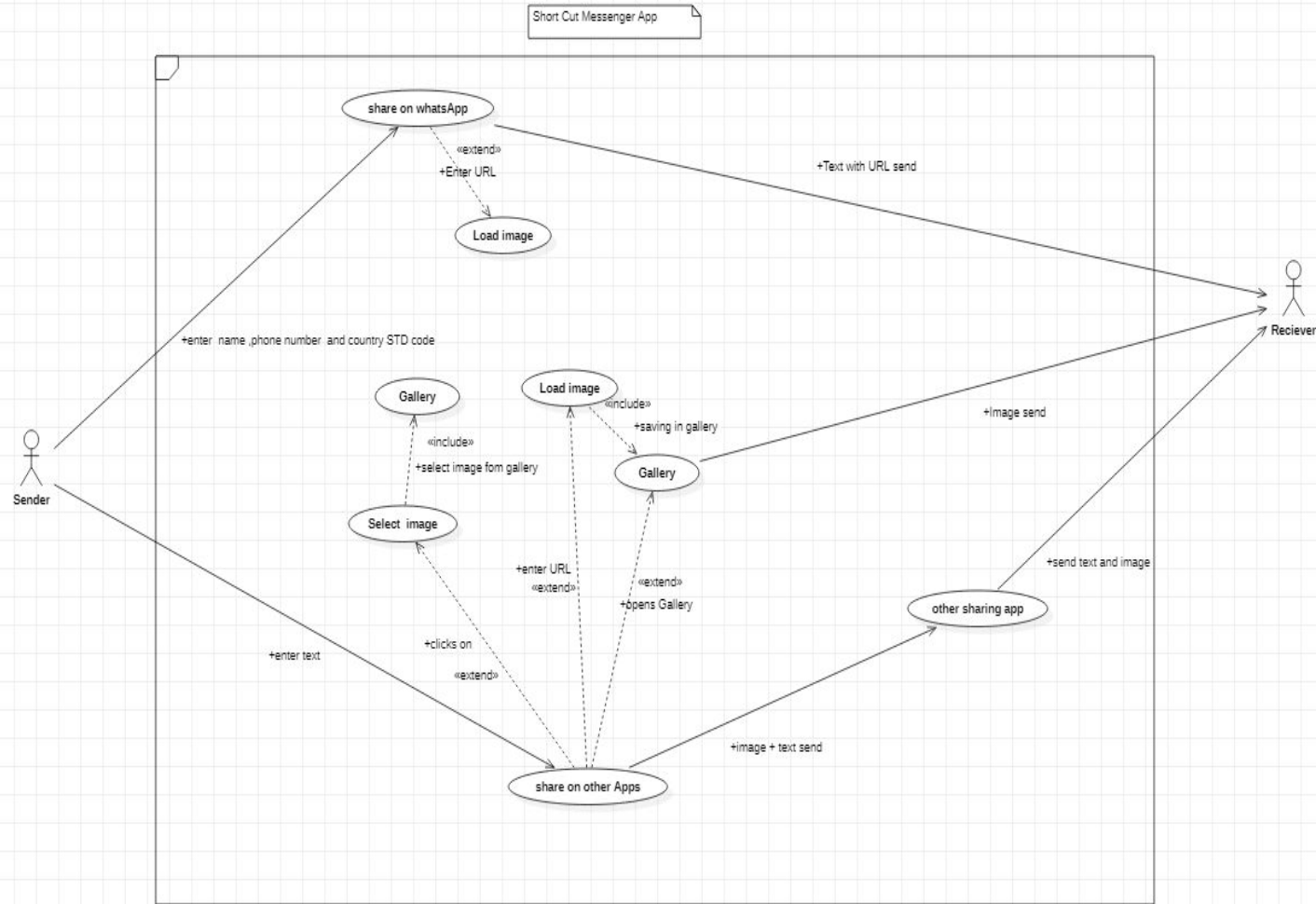
THROUGH WHATSAPP:
TO ANY PHONE NUMBER WITHOUT
SAVING

IMAGE + TEXT SHARING

ANY SOCIAL MEDIA APP APP ON
THE DEVICE

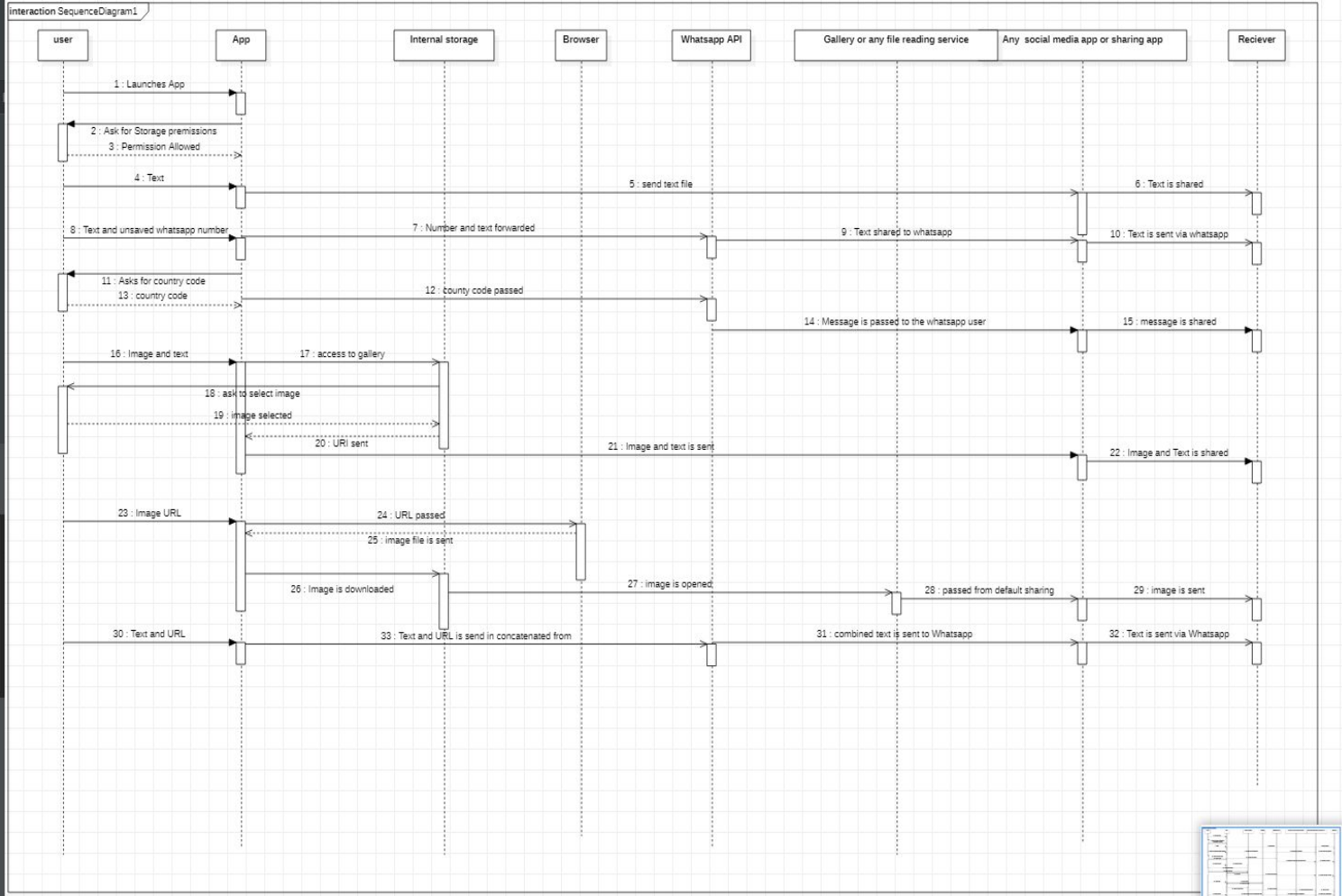
DOWNLOADING IMAGE TO DEVICE

SAVES IN LOCAL STORAGE



APP OVERVIEW

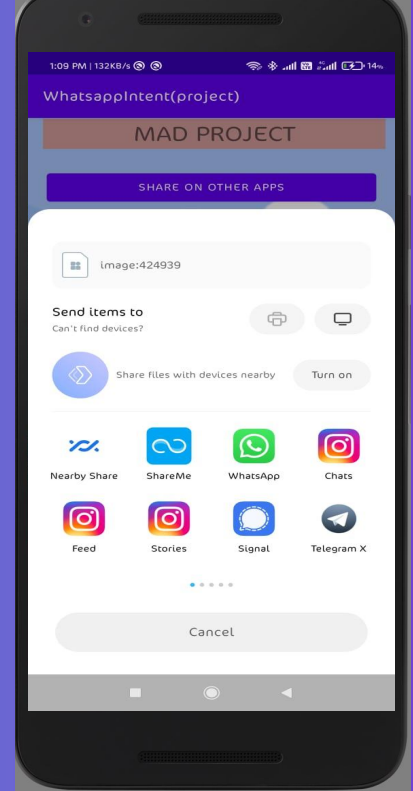
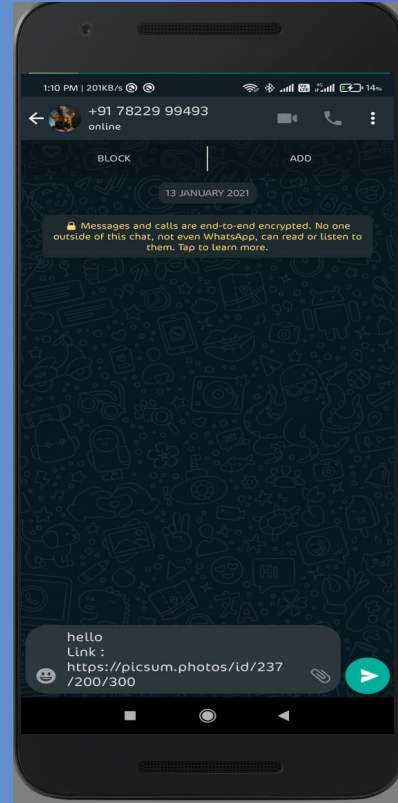
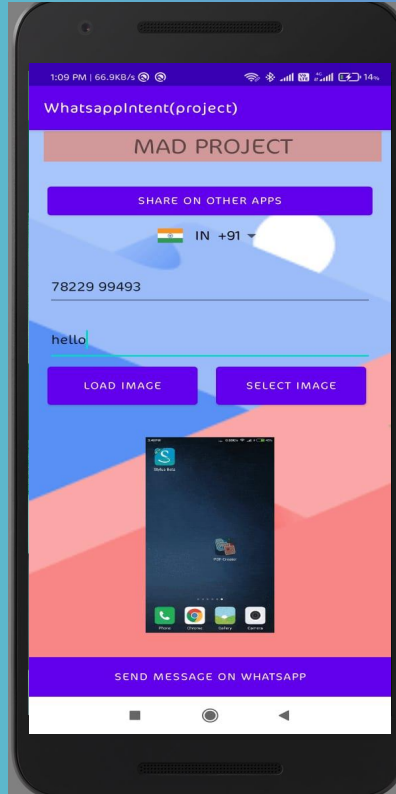
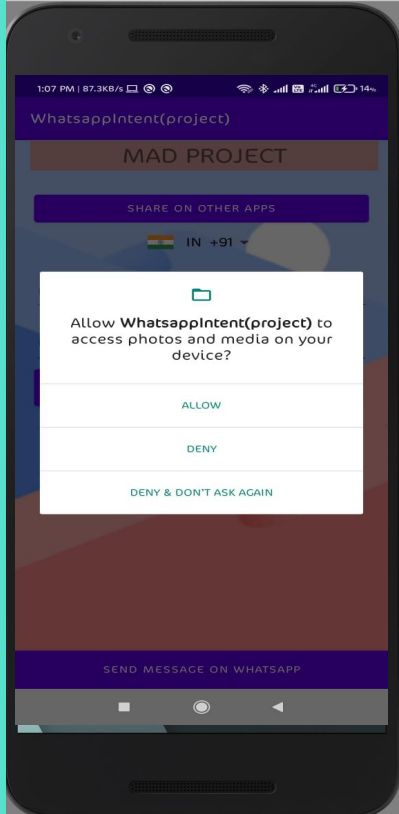
Use-Case Diagram



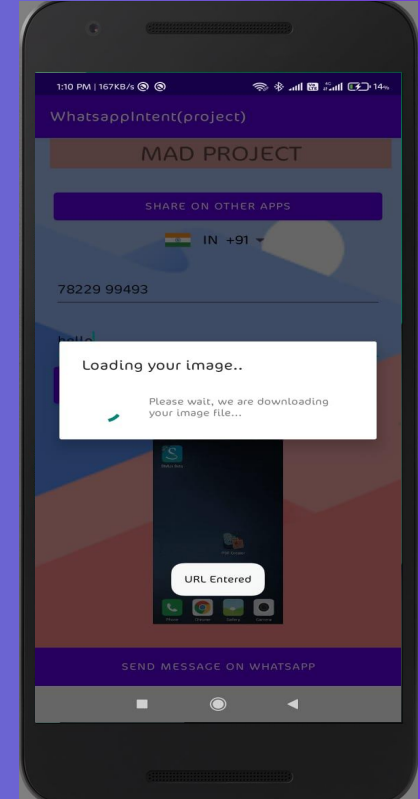
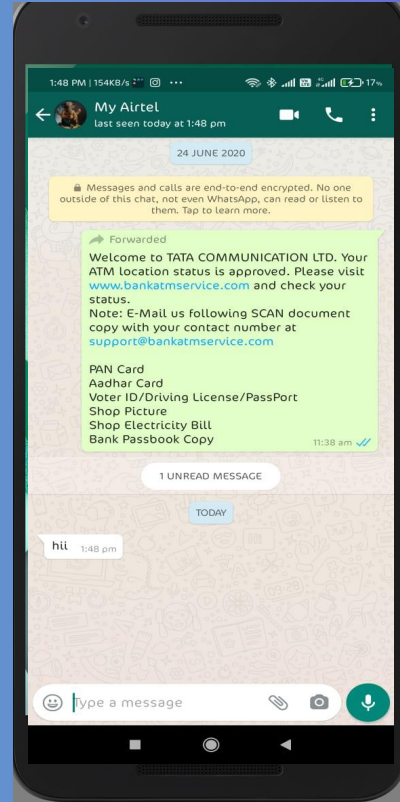
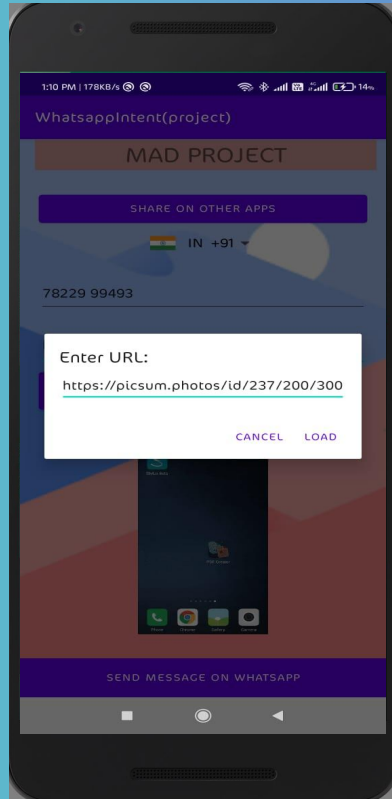
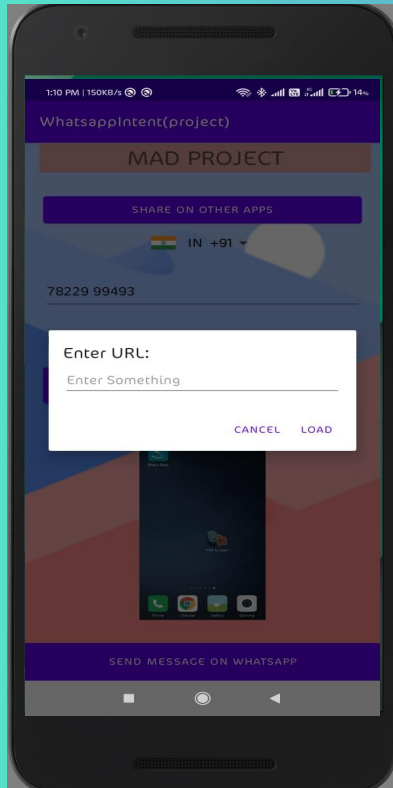
APP OVERVIEW

Sequence Diagram

SNAPSHOTS:



SNAPSHOTS:



LIMITATIONS

1

Whatsapp API
does not support
image sharing.

URL loaded image can't be
shared directly to other app.
Image file location is been
opened through our app and from
gallery we can send it.

2

ENHANCEMENTS:



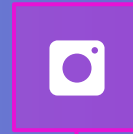
GOOGLE+

DIRECT CONNECTING TO
GOOGLE SHARING
PLATFORMS



YOUTUBE

SHARING A YOUTUBE
VIDEO OR ITS LINK



INSTAGRAM

SHARING A VIDEO ,PIC
OR WRITTEN ARTICLE
WITH AUTOSAVE OPTION

REFERENCES



GITHUB

STACK
OVERFLOW

YOUTUBE
TUTORIALS

THANK YOU

