BMS COLLEGE OF ENGINEERING

(Autonomous college under VTU)

Bull Temple Rd, Basavanagudi, Bengaluru-560019,Karnataka

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Department of Computer Applications

Report is submitted for the partial fulfillment of the subject

"Mobile Application Development" (20MCA3PCMA)
Of III Semester of MCA

A report on

" Gallery app "

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GALLERY APP

INTRODUCTION

Gallery app is a photo viewing android application with basic functionalities like viewing an image, deleting, sharing and getting image details.

Apart from image viewing, this app supports it's users to hide/protect images. A user can hide images by setting a 4-digits PIN. Only who have the PIN can view and manage the hidden images.

MOTIVATION

Most of the stock android mobile phones (near to stock) like Motorola, Lenovo don't have separate gallery applications to view photos which are locally stored. One has to view by camera app which don't show other album images except the images which are here are taken by camera. Also people may have some private images which should not be shown others. In order to solve these problems we are developing this application.

OBJECTIVES

Through our application an android user can be able to view images of local storage in both list view and full size view and can modify images. One can hide images by setting a 4 digit PIN. It also asks a security question while setting PIN. It will help user to recover the PIN if in case he forgot the PIN. Application will have a simple and clean User Interface thus any one can easily use application.
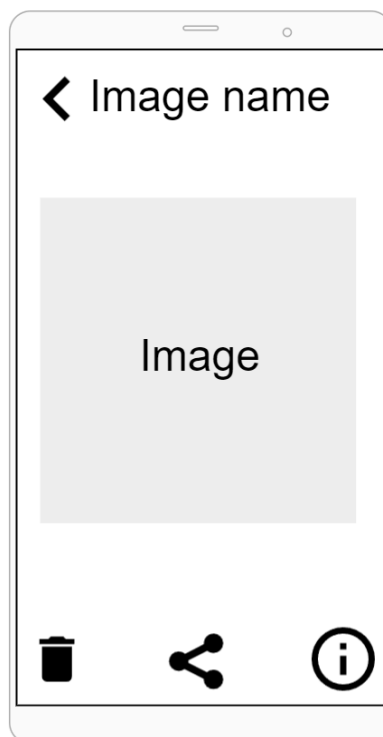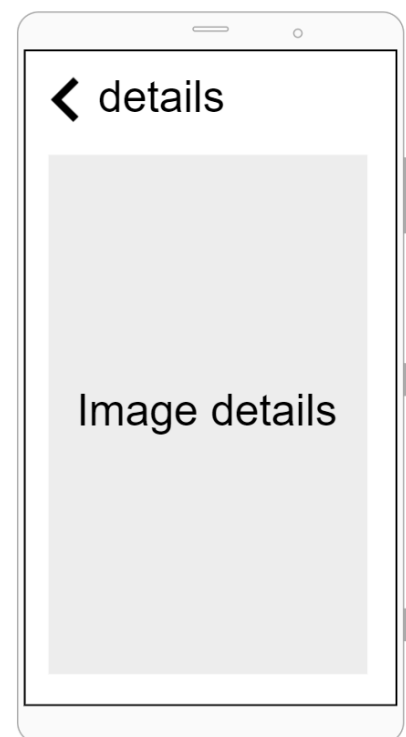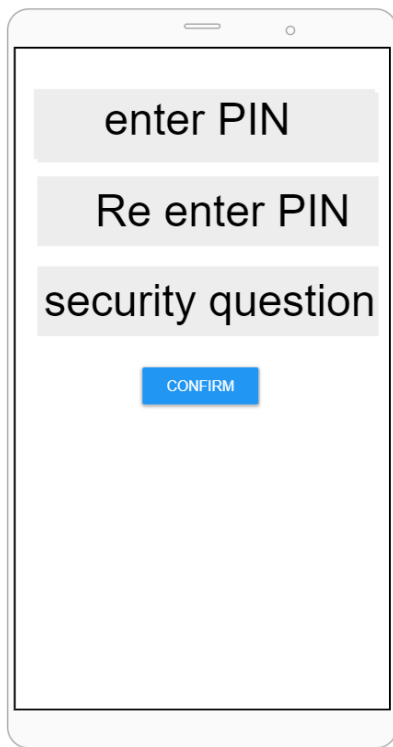
WIREFRAME
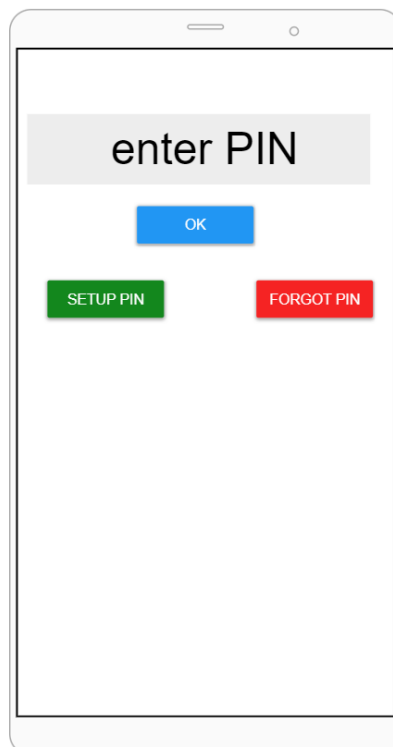

| Home page | Image full size view | Image details |

Setup PIN

enter PIN

Re enter PIN

security question

CONFIRM

PIN to show hidden Images

enter PIN

OK

SETUP PIN   FORGOT PIN

Forgot PIN

security question

OK

Hidden Images

+   UNHIDE SELECTED

list of hidden images

Hide Images

HIDE SELECTED

list of images

About page

app name

version name

logo

copyright text

developer-1 information

developer-2 information

PROTOTYPE

Prototype link: [click here](#)

TECHNOLOGIES USED

I.   Languages: XML, Java

II.   IDE: Android studio 3.1

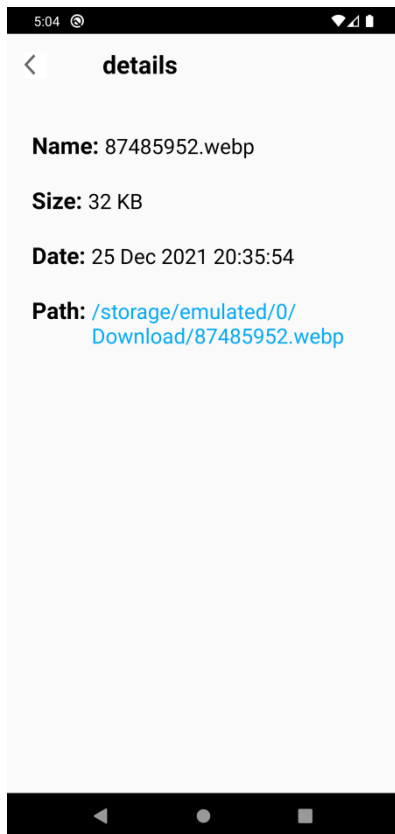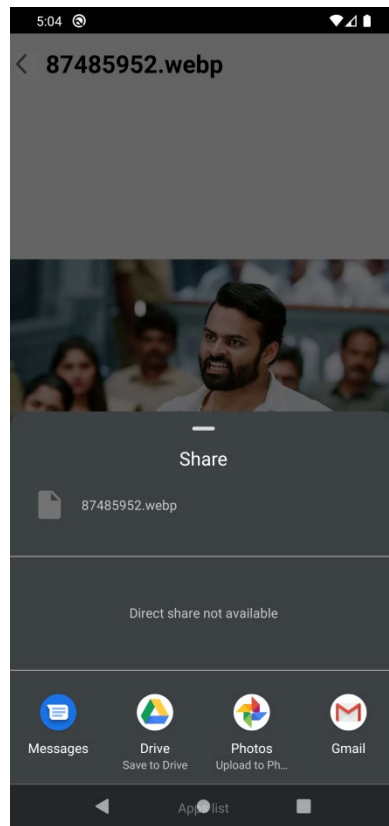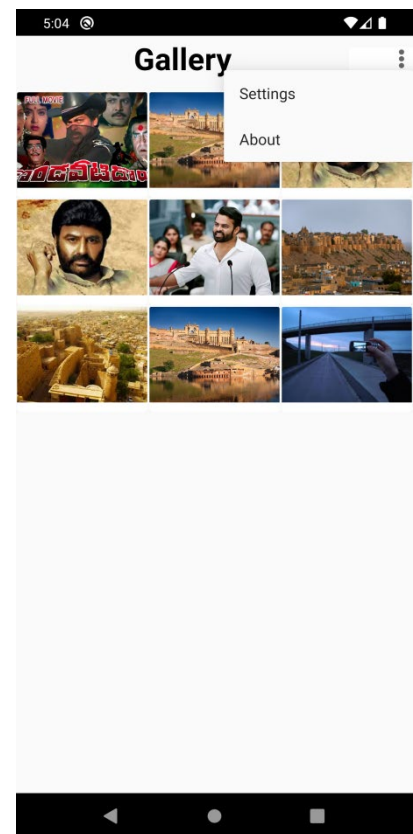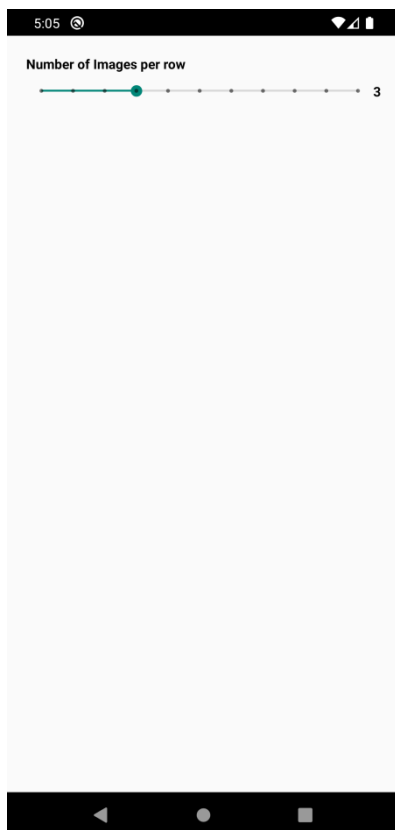## SCREENSHOTS
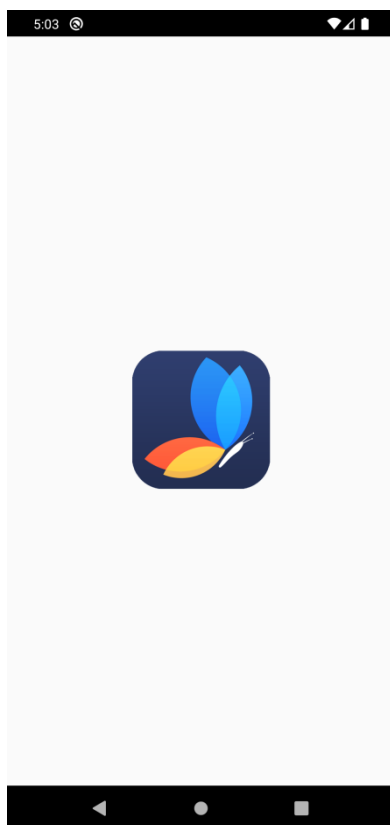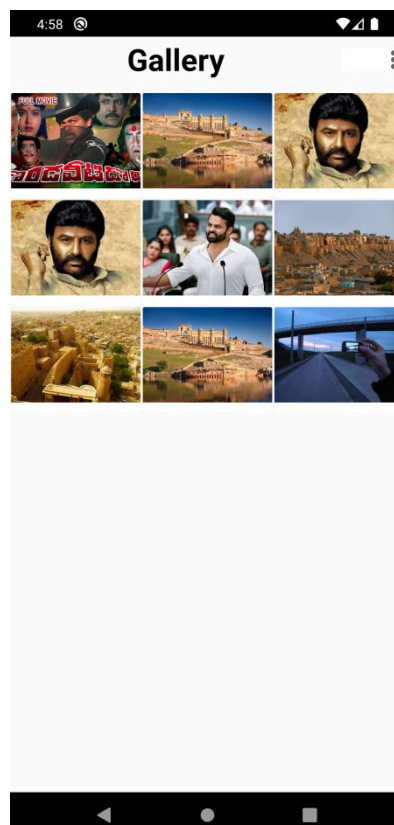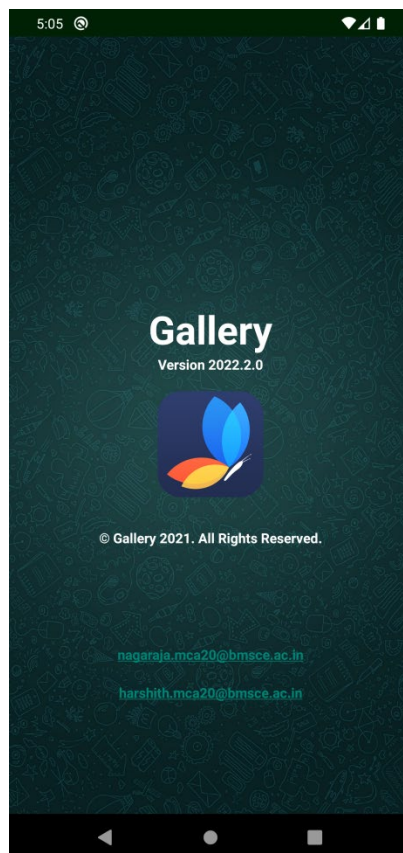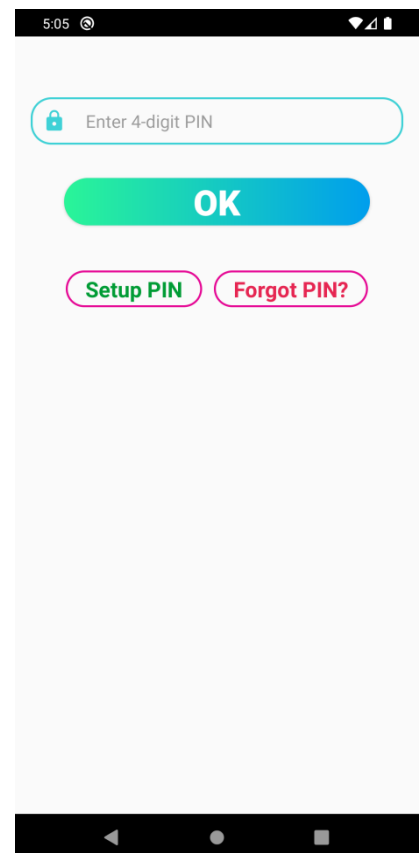

| Splash screen | Home page | Full size view |

Image details

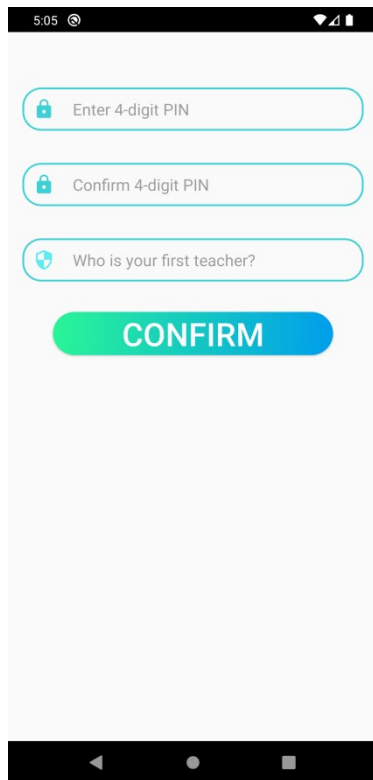Share image

Menu
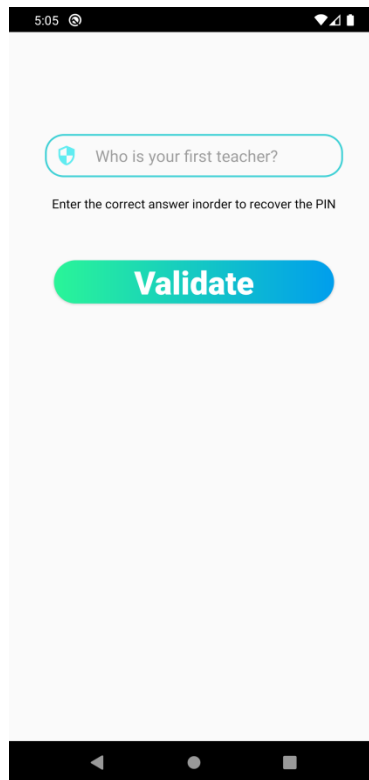

Settings

About page
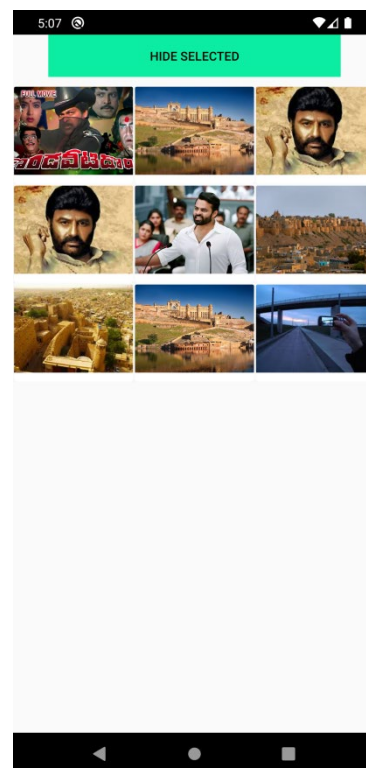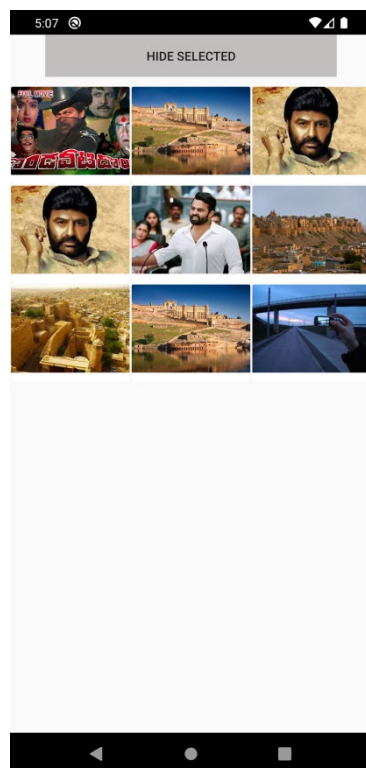

Hidden home page

Setup PIN   Forgot PIN   Hidden images

Hide Images

CONCLUSION

Our application is working as expected. All the features are working fine as per the wireframe. We mainly concentrated towards working of the functionalities hence there is little poor user interface and definitely we will improve it in upcoming versions or release. Any android user can make use of our application for photo viewing and photo hiding.

FUTURE ENHANCEMENTS

- Improvement in code to minimize the delays.
- Zoom in and Zoom out feature to Images.
- Horizontal view support.
- Themes and UI improvements.
- Image Crop, Color filter feature.
- Image slide show.

REFERENCES

1. Information - https://www.geeksforgeeks.org/how-to-build-a-photo-viewing-application-in-android/

2. Wireframe - https://proto.io/en/

3. Prototype -https://www.diagrams.net/