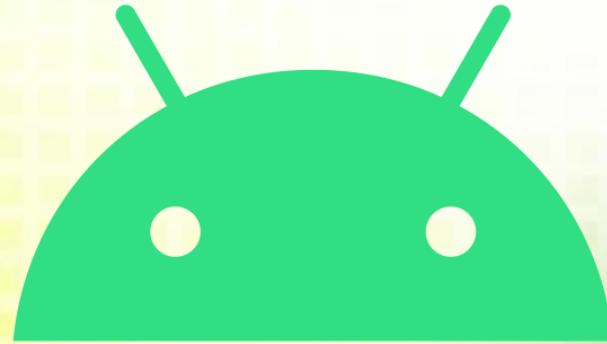




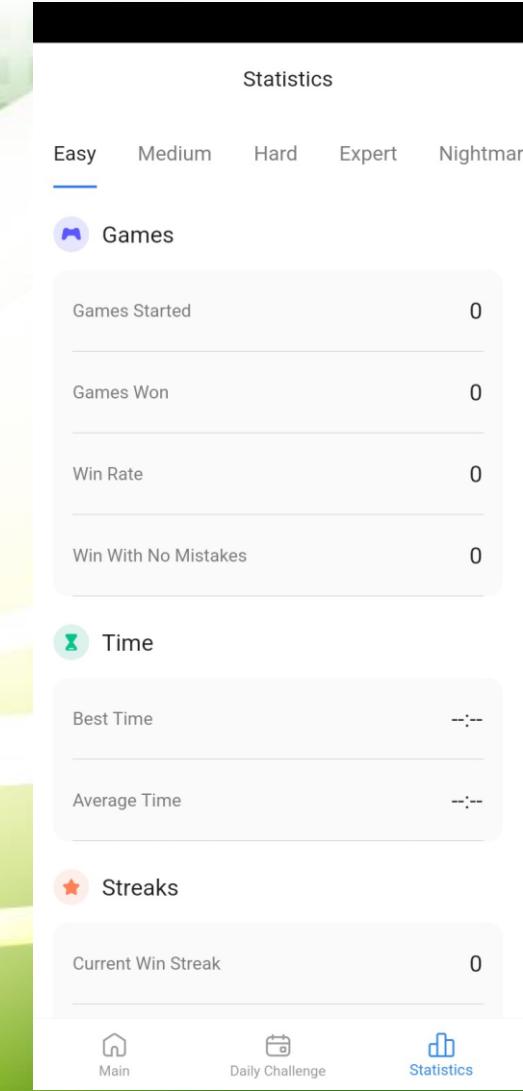
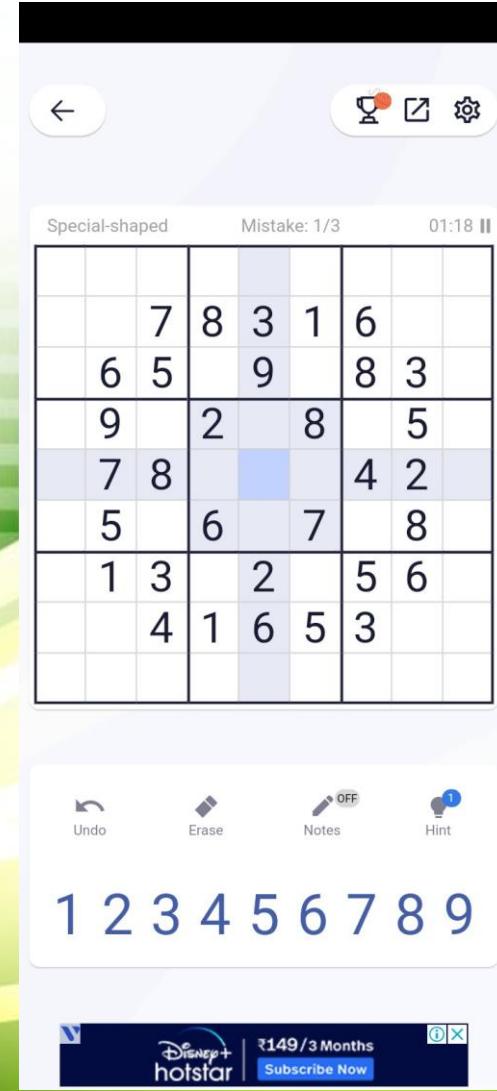
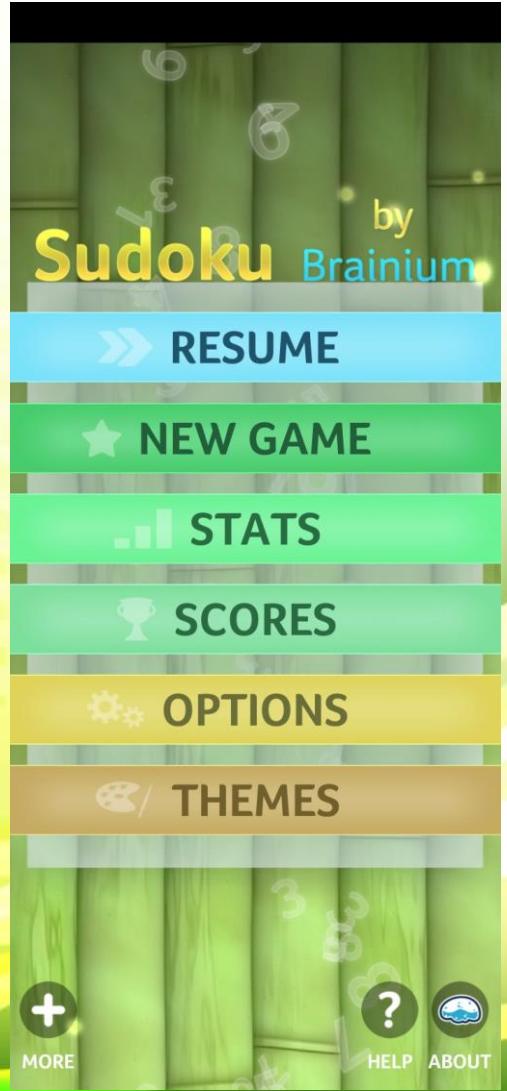
# MOBILE APPLICATION DEVELOPMENT



## Mini Project

3<sup>rd</sup> Sem, MCA

# SUDOKU



# SUDOKU

## Setting features:

- Change background color/theme
  - Change box highlight color
  - Change timer setting (no limit, 5m, 10m)
  - Change mistake count/limit (no limit, 5, 10)
  - Change number of match records in history (default last 10, last 30, all)
  - Clear record history
  - Change limit to undo operation.
  - Exit
- 
- Record databases for match statistics. Database is auto created.
  - Notification as message on match finish (success/fail).
  - Select, Undo, erase, hint features with specific color hightlight.



# ONLINE EXAM

09:49

Banking

SBI Clerk Pre Mini Mocks

**SBI Clerk Pre Reasoning 03**

- Total Questions : 20
- Marks for correct : 1
- Marks for wrong : -0.25
- Time : 20 Mins

I have read the instructions

Select Language

English

Hindi

**Start Test**

09:48

Banking

Buy PM Banking Pro  
Rs 799 only  
Your Brahmastra to Clear Banking Exams  
Explore Now

Trending Exams

View All >

- IBPS RRB Officer
- IBPS RRB Asst.
- SBI PO
- IBPS PO 2022
- IBPS Clerk
- SBI Clerk
- IBPS PO 2021
- RBI Assistant

Quick Links

Free Quiz Take Test Blog

All Tests

All Mock Tests All Banking & Insurance Exams

09:49

SBI Clerk

Mains Sectional SBI Clerk Pre Mini Mocks SBI Clerk Main M

- SBI Clerk Pre Quant 01** Free  
20 Qns 20 Mins 20 Marks
- SBI Clerk Pre Reasoning 01** Free  
20 Qns 20 Mins 20 Marks
- SBI Clerk Pre English 01** Free  
20 Qns 20 Mins 20 Marks
- SBI Clerk Pre Quant 02** Free  
20 Qns 20 Mins 20 Marks
- SBI Clerk Pre Reasoning 02** Free  
20 Qns 20 Mins 20 Marks
- SBI Clerk Pre English 02** Free  
20 Qns 20 Mins 20 Marks
- SBI Clerk Pre Quant 03** Free  
20 Qns 20 Mins 20 Marks

09:49 00:19:53 SBI Clerk Pre Mini Mocks SUBMIT

(S1) SBI Clerk Pre Reasoning 03

Q. 1 | 1 -0.25

**Directions:** Answer the questions based on the given information below.

4 5 C \* # D F 7 L 8 2 & ~ M A ) 7 S K X 3 I + < = T G

Which of the following is the 8<sup>th</sup> element to the right of the 19<sup>th</sup> element from the right end?

Read less ^

A 7

B K

C X

D I

E <

←



# ONLINE EXAM

09:50

SBI Clerk Pre Mini Mocks X

(S1) SB

Q. 16

Directions: Information for 20 persons sitting around a circular table facing the centre. Eight persons are seated on one side of the table and twelve are seated on the other side. Persons seated on the same side have their directions of seating as per the following information:

Opposite to A is B. C is second to the left of D. E is second to the right of F. G is second to the left of H. I is second to the right of J. K is second to the left of L. M is second to the right of N. O is second to the left of P. Q is second to the right of R. S is second to the left of T. U is second to the right of V. W is second to the left of X. Y is second to the right of Z.

Find the person seated opposite to P.

**S1**

1 2 3 4 5

6 7 8 9 10

11 12 13 14 15

16 17 18 19 20

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Answered   Not Answered  
Marked   Not Visited

(S1) SBI Clerk Pre Reasoning 03

Q. 16 | 1 -0.25

**Directions:** Answer the questions based on the information given below.

Eight persons P, Q, R, S, T, U, V and W are sitting

6  
Answered

14  
Not Answered

2  
Marked

12  
Not Visited

**View Solutions**

Find the odd one out.

Read less

A S

(S1) SBI Clerk Pre Reasoning 03

Q. 1 | 1 / -0.25

Directions: Answer the questions based on the given information below.

	Status	Time Taken
You	Wrong	30 s
Topper	Correct	15.5 s

Which of the following is the 8<sup>th</sup> element to the right of the 19<sup>th</sup> element from the right end?

A 7

B K

C X

D I

09:51

## Analytics

**SOLUTIONS**

**OVERVIEW**

**STRENGTH & WEAKNESSES**

**COMPARISON**

**Score**

**1.0/20**

**Rank**

**16267/**

**16748**

**Percentile**

**2.88**

**Accuracy**

**33.3**

**Mini Mocks**

**Questions**

**20**

**Ma**

**1**

**Attempted**

**6/20**

**Correct**

**2/20**

**Incorrect**

**4/20**

**Average**

**11.0/20**

**Topper's**

**20.0/20**

**Highest**

**20.0/20**



# ONLINE EXAM

## Setting features:

- Change background color/theme
  - Change number of exam records in history (default last 10, last 30, all)
  - Clear record history
  - Exit
- 
- Exam database for maximum 5 exams with 20 questions in each. Database is hardcoded; not user created.
  - Type-based Search should work for exams from database. Sort alphabetically.
  - Notification of scores as message sent on exam completion.
  - Login to app with multiple user account.
  - Features: MCQ questions, next, summary page with question selection/skip/flag, submit, score, correct result, etc.

# CRICKET SCORE

**14:22** Cricket scorer

**14:23** Select Opening players

**14:23** Ind v/s Sl

**14:24** Ind v/s Sl

**Teams**

- Host Team
- Visitor Team

**Toss won by?**

- Host Team (checked)
- Visitor Team

**Opted to?**

- Bat (checked)
- Bowl

**Overs?**

- 16

**Advanced settings**

**Start match**

**Striker**

**Non-striker**

**Opening bowler**

**Start match**

**Ind, 1st inning**

**CRR**

**0 - 0 (0.0)**

**0.00**

Batsman	R	B	4s	6s	SR
Rohit*	0	0	0	0	0.00
Sikhar	0	0	0	0	0.00
Bowler	0	M	R	W	ER
Kulasekharan	0.0	0	0	0	0.00

**This over:**

Wide    No Ball    Byes    Leg Byes

Wicket   **Retire**   **Swap Batsman**

**Undo**

**Partnerships**

**Extras**

0	1	2	3
4	5	6	...

**12 - 0 (0.5)**

**14.40**

Batsman	R	B	4s	6s	SR
Rohit*	3	4	0	0	75.00
Sikhar	7	2	0	1	350.00
Bowler	0	M	R	W	ER
Kulasekharan	0.5	0	12	0	14.40

**This over:** 0 2 1 6 1 0 0

Wide    No Ball    Byes    Leg Byes

Wicket   **Retire**   **Swap Batsman**

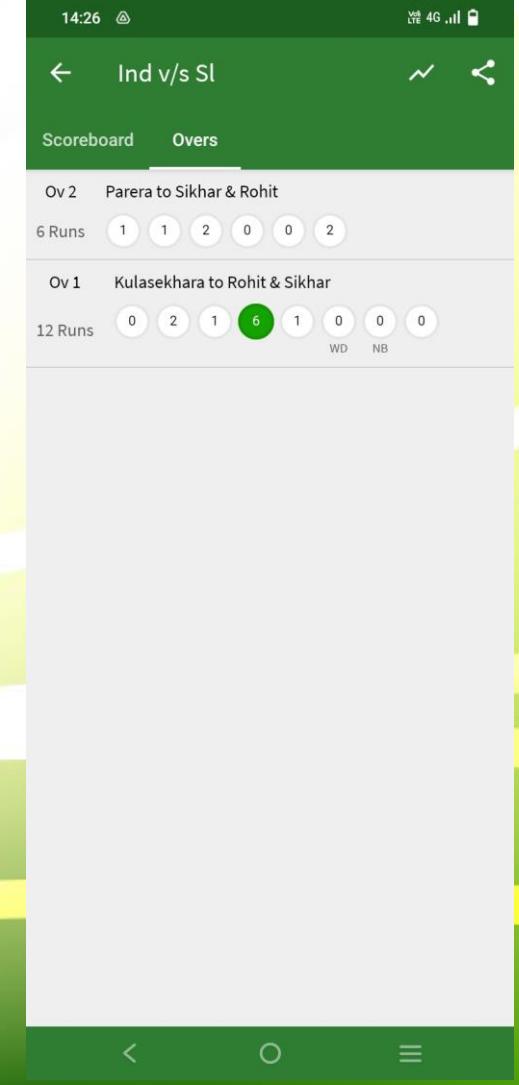
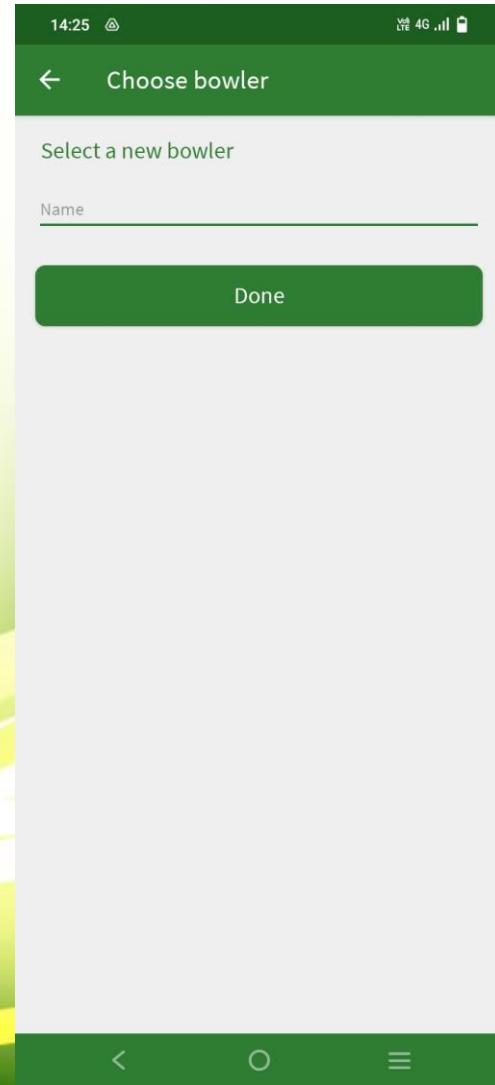
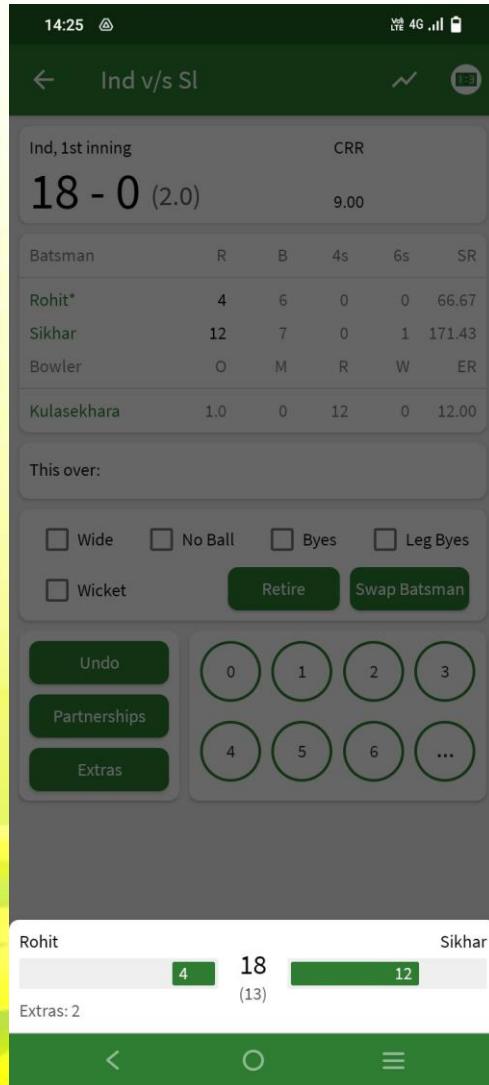
**Undo**

**Partnerships**

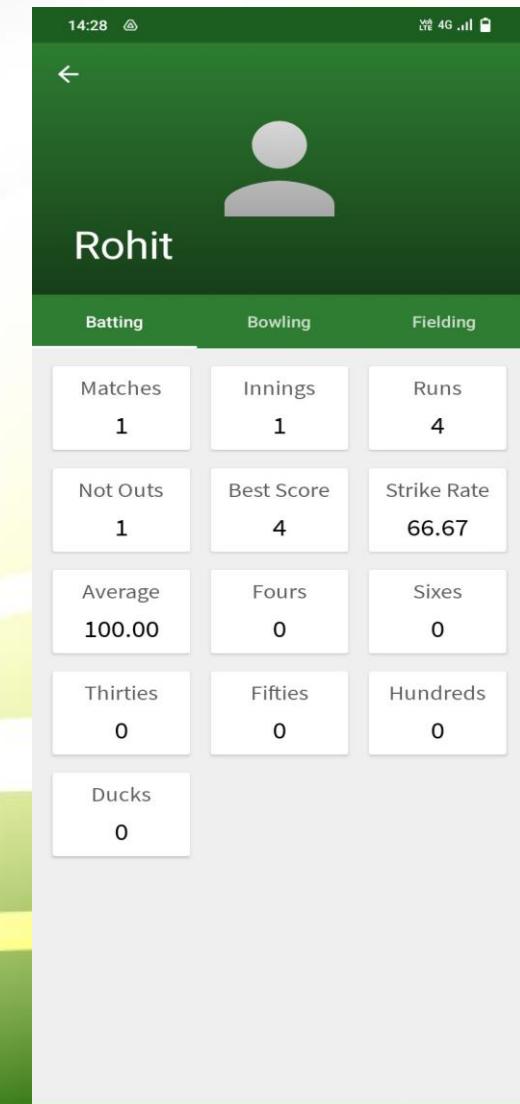
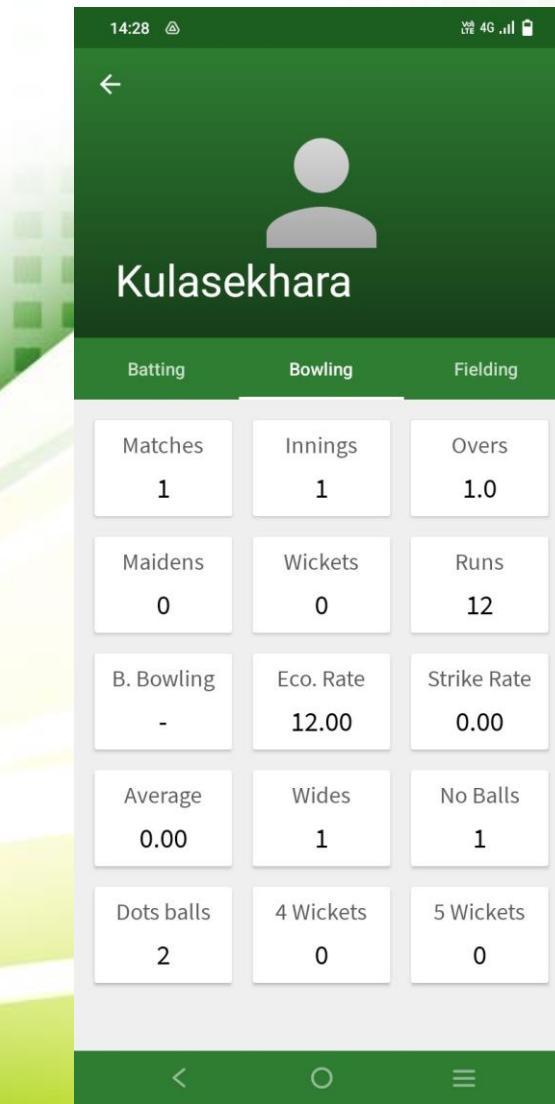
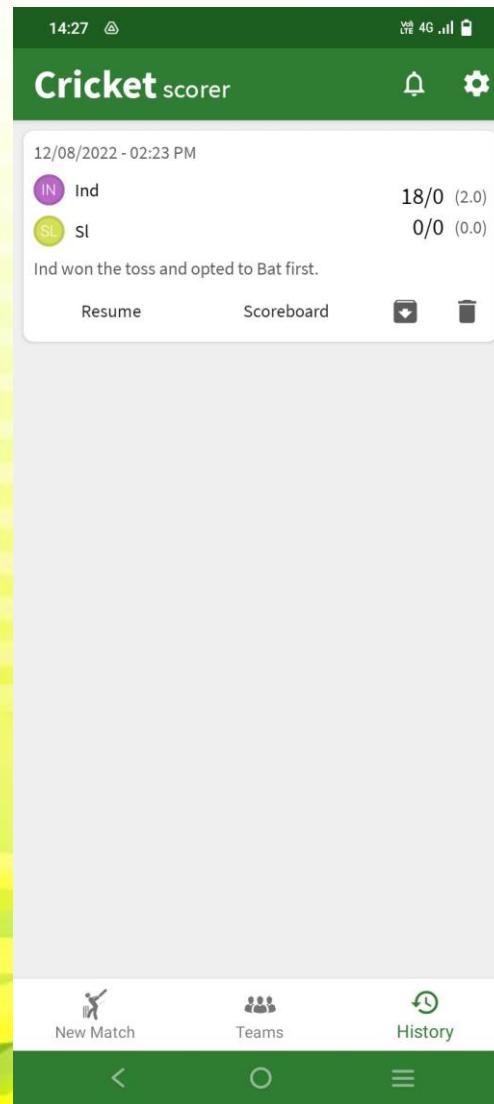
**Extras**

0	1	2	3
4	5	6	...

# CRICKET SCORE



# CRICKET SCORE





# CRICKET SCORE

## Setting features:

- Change background color/theme
  - Change number of match records in history/stat (default last 10, last 30, all)
  - Change limit to undo operation.
  - Clear record history
  - Exit
- 
- Record databases for match/player statistics. Database is auto created/updated.
  - Notification as message on match finish (win/loss).
  - Match score update, undo, scorecard, player stat for match, overall team/player statistics.

# CHESS



# CHESS



ONLINE STATS	
Latest Games	
● vs. Tinku Guwahati	11/08/2022
● vs. taha mahmoud	11/08/2022
● vs. Iman 'Z'	11/08/2022
● vs. akraboo	11/08/2022
● vs. sormi88	11/08/2022
● vs. chessmasterz	11/08/2022
● vs. Vikasveer Sing	11/08/2022
● vs. dannybayensann	11/08/2022
● vs. vxfg	11/08/2022
● vs. WHATSUPONE	11/08/2022
● vs. CMPCMP	11/08/2022
● vs. mohamed7819	11/08/2022
● vs. uhuhuu	11/08/2022
● vs. Emanuela Dorian	11/08/2022

# CHESS

## Setting features:

- Change background color/theme
  - Change box highlight color
  - Change timer setting (10s, 20s, 30s)
  - Change number of match records in history (default last 10, last 30, all)
  - Change number of move records in written (default last 10, last 30, all)
  - Clear record history
  - Change limit to undo operation.
  - Exit
- Record and Move databases for maximum 30 match records and move records. Database is auto created.
  - Notification as message on match finish (win/loss).
  - 2/multi player/profile setup.
  - **(If difficult) Avoid the real chess move, rather ONLY keep 1-forward move for ALL pieces.**
  - Proposed move and last move should be visible with highlighted boxes.

# DEPT. SLCM \*\*

09:56

Add Address Saralebettu

Shining Rewards on Silver! Up to ₹250 Cashback\* on Silver coins & bars Buy Silver

Transfer Money

To Mobile Number To Bank/UPI ID To Self Account Check Bank Balance

PhonePe Wallet Rewards Refer & Earn ₹100

Recharge & Pay Bills

Mobile Recharge DTH Electricity Credit Card Bill Payment

Rent Payment Loan Repayment Education Fees See All

Sponsored Links zomato kotak Jupiter AJIO

09:37

2

Raghuram Mit Stf  
Railways  
Dr Rajsekhar  
Dr Reyas Miu Comp Hod  
Rohini Mca Mit  
Rohit Miu Mech Hod  
Roopa Mit staff  
Rty Kirenjit Kaur  
Rty Mani Nilai

**Class Attendance**

Academic Year	2021-2022	Course/Program	--Select--
Semester/Year	--Select--	Date	--Select--
Section	--Select--	Subject Type	--Select--
Subject	--Select--	Show	

**Assignment Marks Entry**

Academic Year	2021-2022	Semester/Year	II																																							
Course/Program	0970 - Master of Computer Applications	Section	B																																							
Subject	MCA 4251 - DATA ANALYTICS	Type	Assignment																																							
Show																																										
<table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Academic Year</th> <th>Subject Name</th> <th>Semester/Year</th> <th>Section</th> <th>Exam Date</th> <th>Component Description</th> <th>Status</th> <th>Exam Group</th> <th>Assignment No.</th> <th>Marks Entry</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2021-2022</td> <td>DATA ANALYTICS</td> <td>II</td> <td>B</td> <td>12 Apr 2022</td> <td>Assignment 1</td> <td>Published</td> <td>EVEN</td> <td>ASS/0472882</td> <td>Marks Entry</td> </tr> <tr> <td>2</td> <td>2021-2022</td> <td>DATA ANALYTICS</td> <td>II</td> <td>B</td> <td>06 Jun 2022</td> <td>Assignment 2</td> <td>Published</td> <td>EVEN</td> <td>ASS/0472883</td> <td>Marks Entry</td> </tr> </tbody> </table>										Sr.No.	Academic Year	Subject Name	Semester/Year	Section	Exam Date	Component Description	Status	Exam Group	Assignment No.	Marks Entry	1	2021-2022	DATA ANALYTICS	II	B	12 Apr 2022	Assignment 1	Published	EVEN	ASS/0472882	Marks Entry	2	2021-2022	DATA ANALYTICS	II	B	06 Jun 2022	Assignment 2	Published	EVEN	ASS/0472883	Marks Entry
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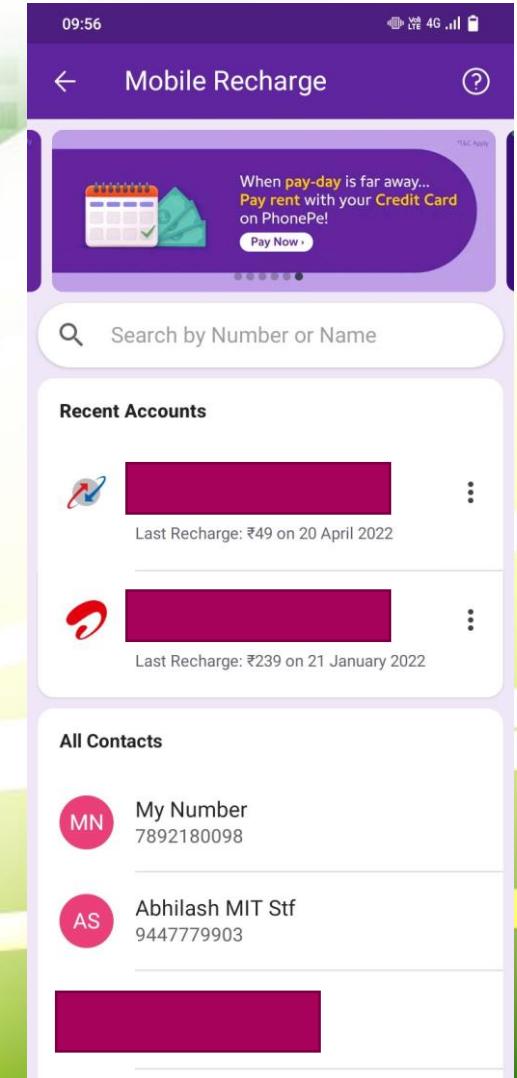
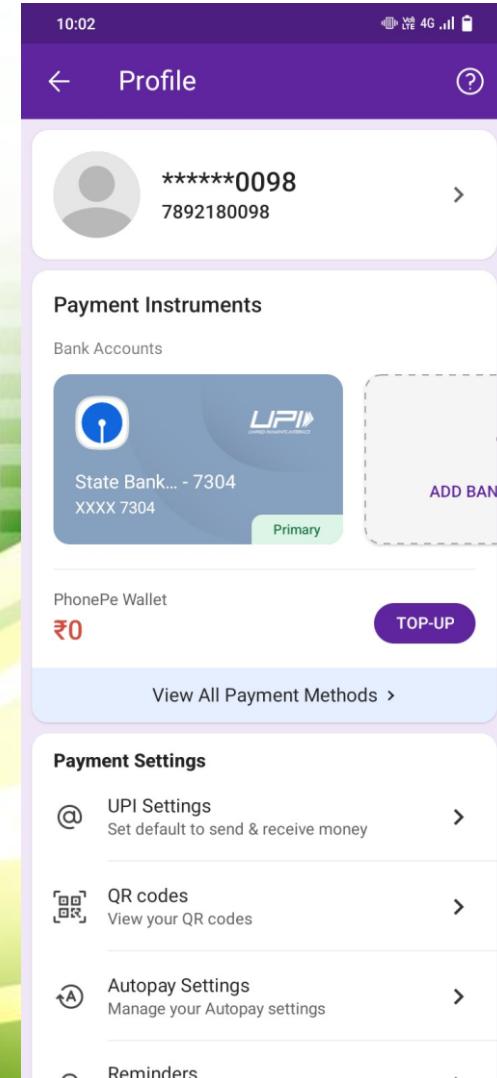
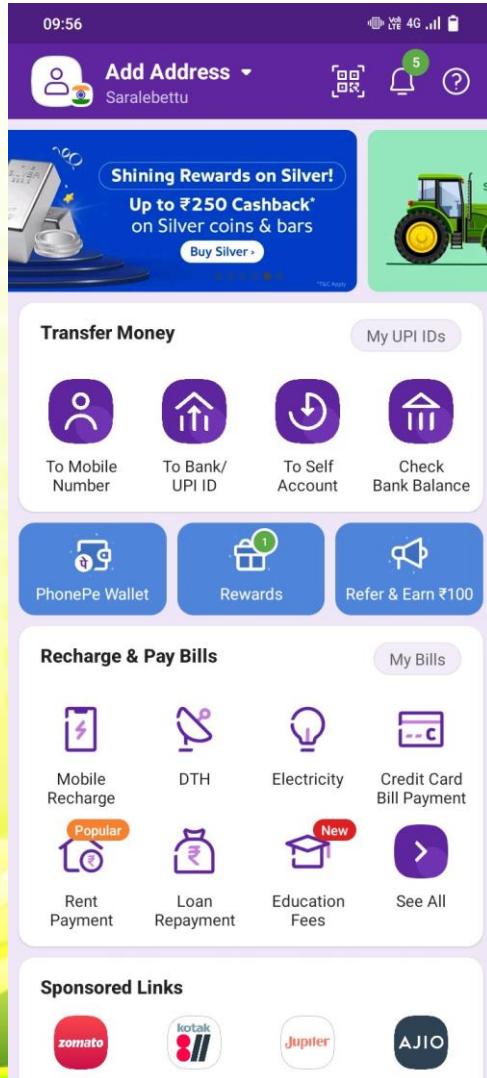


# DEPT. SLCM \*\*

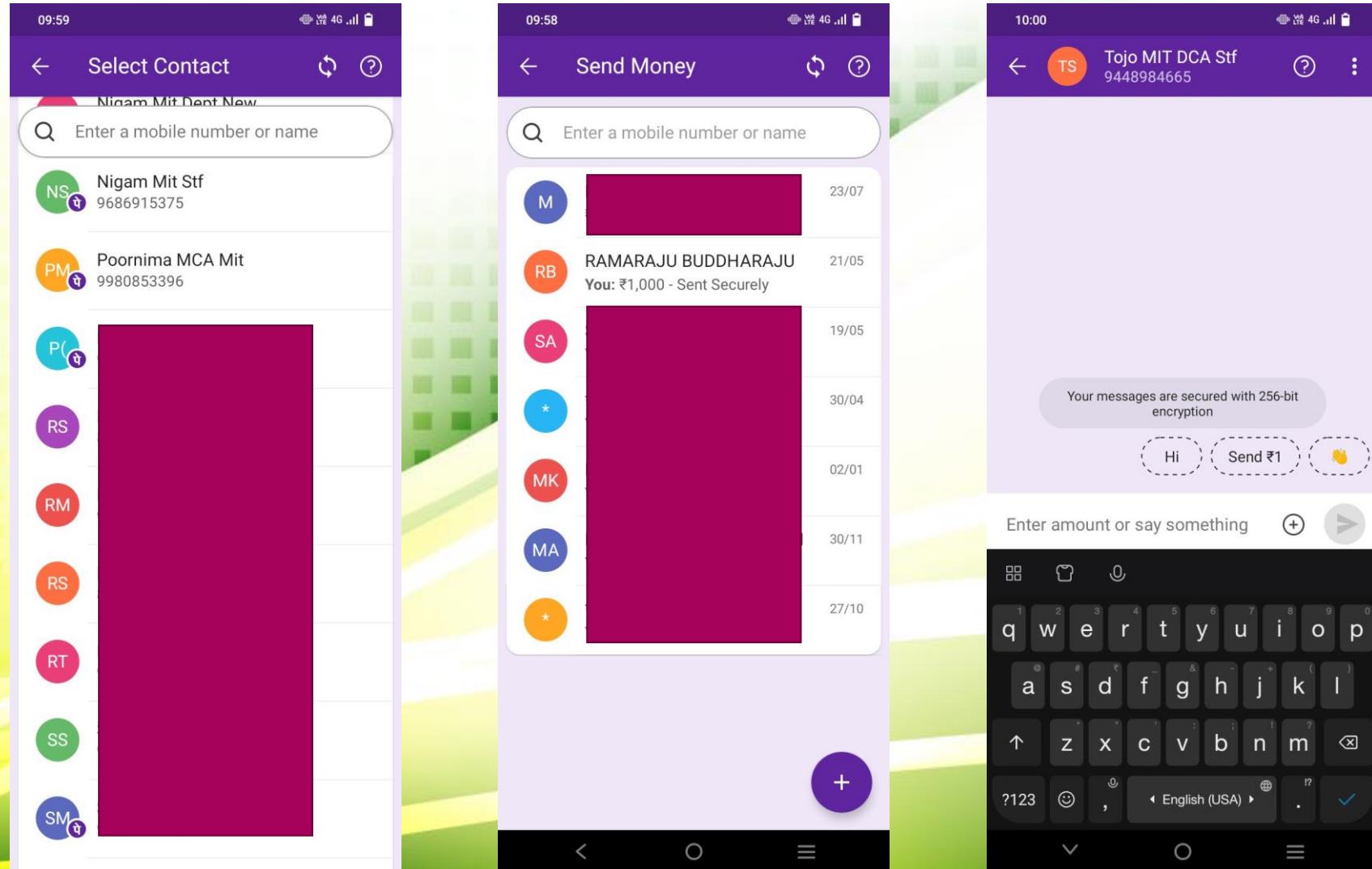
## Setting features:

- Change background color/theme
- Change listview colors/theme
- Exit
- 2 types of user profile/features: student & faculty.
  - Faculty can add/modify, student can only view.
  - Student database for All (110 students). Database is created by faculty with basic student info.
  - Student use id/pwd to view already created profile/account.
  - Faculty feed class info for attendance... Individual Attendance reflects to student.
  - Faculty feed multiple assignment results... Individual results reflects to student.
  - Timetable should be visible for faculty/student.
  - Faculty/student can exchange message, recorded in database with date/time.
  - Notification for any new content.

# E - PAY



# E - PAY

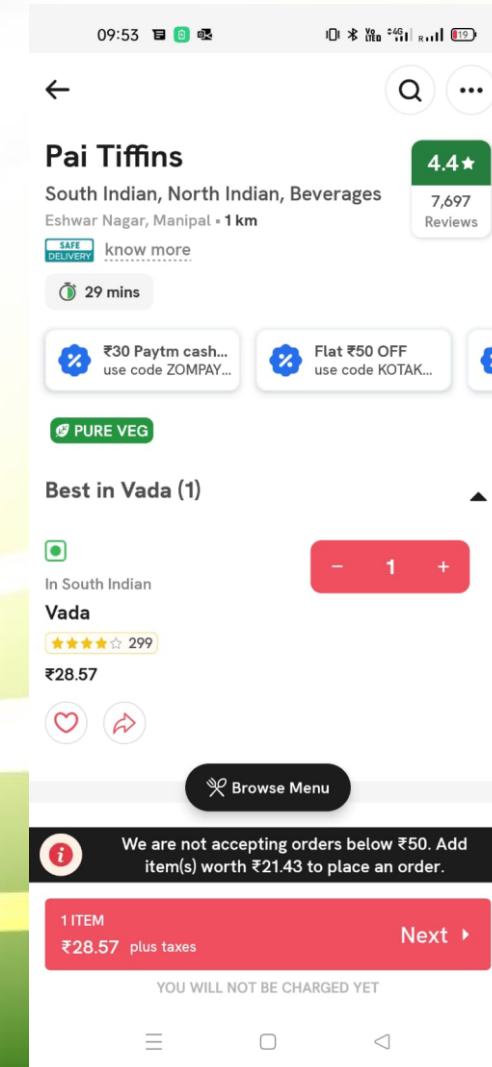
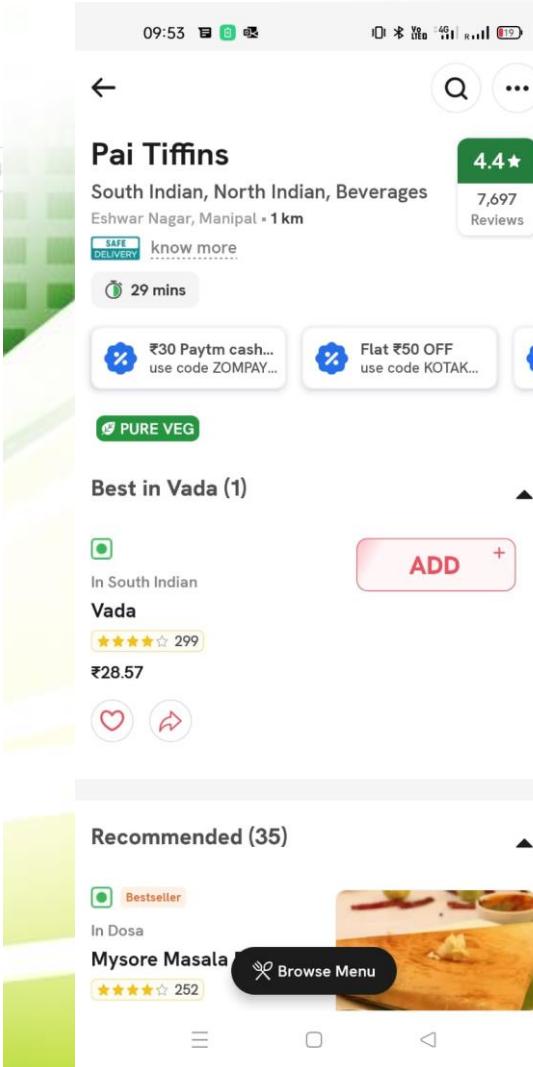
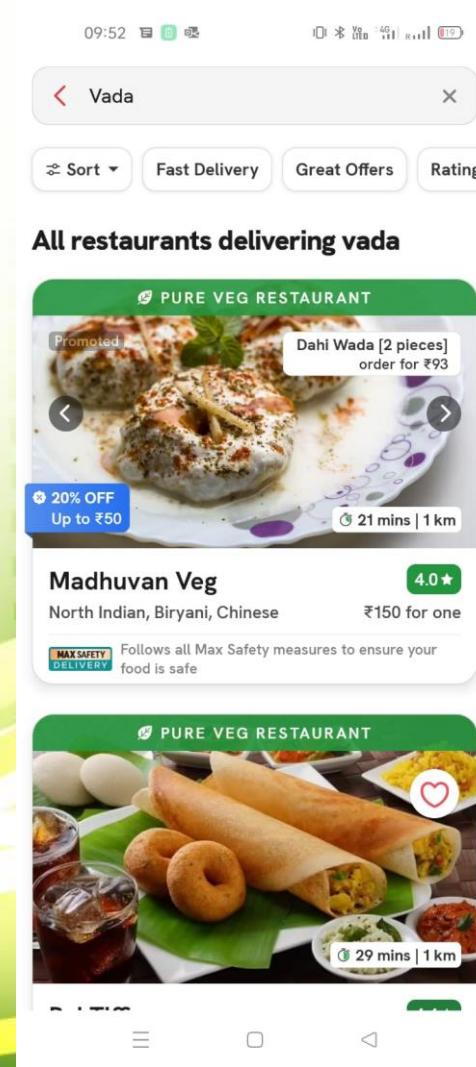


# E - PAY

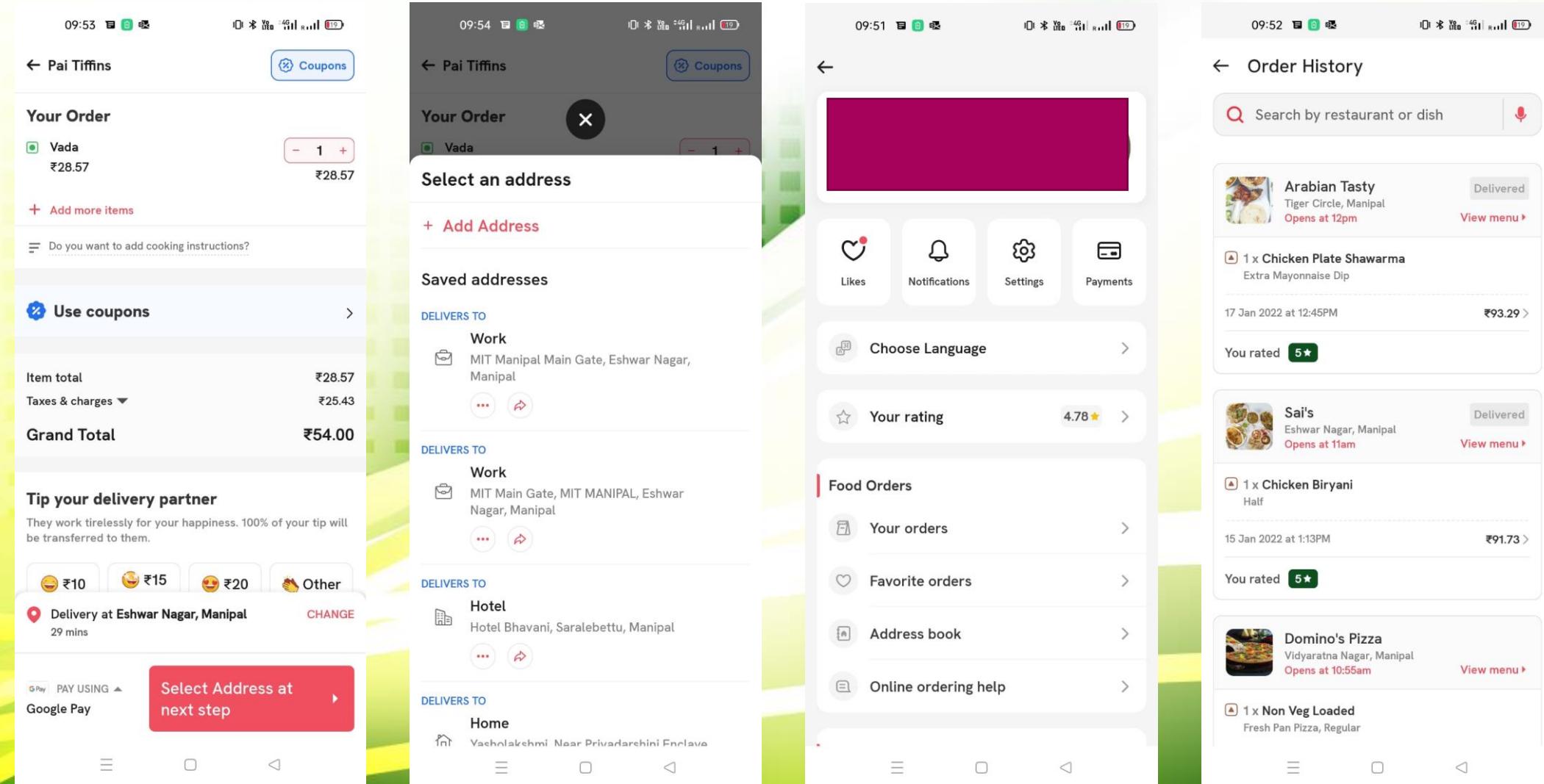
## Setting features:

- Change background color
  - Change listview colors
  - Exit, Logout
- 
- Main feature: Profile, Check balance, Mobile Recharge, Send money to contact.
  - Contact database for maximum 50 people. Database is hardcoded; not user created.
  - Type Search should work for contact from database.
  - 6 digit Pincode protection for balance/recharge/send money features.
  - Enable Pin reset feature.
  - Single App for multiple profiles (accordingly set database and pin) to check transactions.
  - Notification on recharge/send money feature.

# E-COMMERCE



# E-COMMERCE



The screenshots illustrate the user flow of a food delivery app:

- Screenshot 1: Order Summary** (09:53) - Shows an order for "Vada" at ₹28.57. It includes a "Use coupons" section, a tip amount of ₹54.00, and delivery details to "Eshwar Nagar, Manipal". A red button at the bottom says "Select Address at next step".
- Screenshot 2: Address Selection** (09:54) - A modal shows the order summary and a "Select an address" screen. It lists "Saved addresses" and "DELIVERS TO" sections for "Work", "Work", "Hotel", and "Home".
- Screenshot 3: User Profile** (09:51) - Shows profile settings like Likes, Notifications, Settings, Payments, Choose Language, and Your rating (4.78★).
- Screenshot 4: Order History** (09:52) - Displays a history of orders from "Arabian Tasty", "Sai's", and "Domino's Pizza", each with details like date, time, rating, and menu items.

# E-COMMERCE

## Setting features:

- Change background color/theme
- Change listview colors/theme
- Change number of records in history (default 10, maximum 30)
- Clear record history
- Exit, Logout.

- Product database for maximum 50 items. Database is hardcoded; not user created.
- Type Search should work for products from database. Search based on product, supplier etc.
- Prepare cart with number of same/different item(s).
- Set address, manual/address database. Database is user created.
- Notification as message upon order execution.

# BUS TICKET BOOKING

10:13 LTE 4G 11:11

## Bus tickets

redBus

ENTER SOURCE

ENTER DESTINATION

Sat, 20 Aug TODAY TOMORROW

**SEARCH**

**YOU CAN ALSO BOOK**

- ryde Cab/Bus Hire
- redRail NEW Get 10% off

**FlexiTicket**  
Get amazing benefits on Date Change & Cancellation  
[Know More →](#)

FREE DATE CHANGE AT NO EXTRA RATE

**redBus Care**  
Help support families of bus drivers & help  
[Know More](#)

**OFFERS**  
Get best deals with great discounts and offers  
[VIEW ALL](#)

Save Up to Rs 300 on bus

Home My Bookings Help My Account

10:13 LTE 4G 11:11

**Search**

POPULAR BOARDING POINTS NEAR YOU

- Anand Rao Circle Board at Bangalore
- Madiwala Board at Bangalore
- Majestic Board at Bangalore
- Yeshwantpur Board at Bangalore

POPULAR CITIES NEAR YOU

- Bangalore
- Coimbatore
- Tirupati
- Salem
- Hosur
- Anantapur (andhra pradesh)
- Kadapa

10:14 LTE 4G 11:11

Manipal - Bangalore 20 Aug >

**39 BUSES FOUND**

**Primo** NO REST STOP 21:15 - 05:50 From ₹ 750 8h 35m • 07 seats • 4 single seats Sugama Tourist NON A/C Sleeper (2+1) ★ 3.9 126

**Primo** NO REST STOP 20:45 - 05:30 From ₹ 750 8h 45m • 04 seats • 4 single seats Sugama Tourist NON A/C Sleeper (2+1) ★ 3.9 60

**redDeals specials discounts**

redDeals Exclusive redDeals for you

**Primo** 21:00 - 05:30 From ₹ 750 8h 30m • 14 seats • 5 single seats Disha Tours and Travels NON A/C Seater / Sleeper (2+1) ★ 4.2 26

10:15 LTE 4G 11:11

Sort and Filter

**SORT BY**

- Price - low to high
- Best rated first
- Early departure
- Late departure

**FILTER BY**

**BUS DEPARTURE TIME FROM SOURCE**

- 06:00 - 11:59
- 12:00 - 17:59
- 18:00 - 23:59
- 00:00 - 05:59

**BUS TYPE**

- SEATER
- SLEEPER
- AC
- NONAC

**SINGLE WINDOW SLEEPER/SEATER**

# BUS TICKET BOOKING

10:18 LTE 4G .11

## My Bookings

 redBus  rPool

All your bookings have been downloaded from redBus.  
Pull to refresh

**COMPLETED** **CANCELLED**

**SHOW BOOKINGS**

 Home  My Bookings  Help  My Account

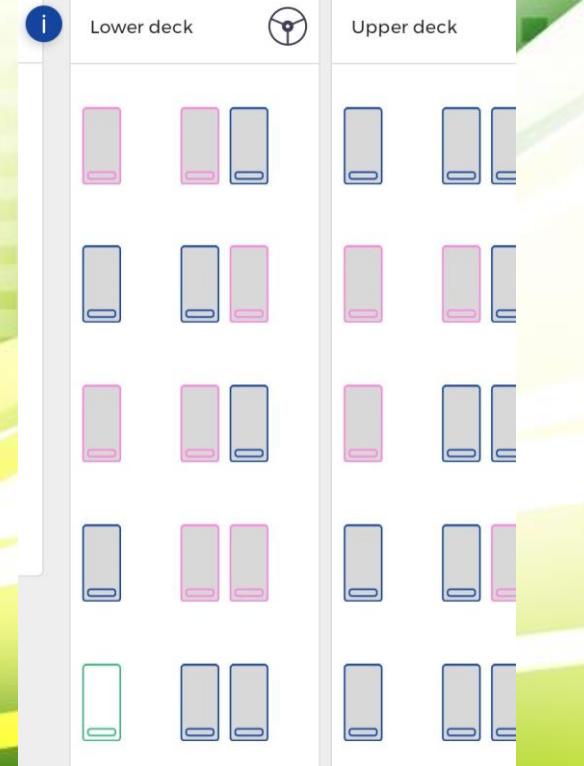
10:15 LTE 4G .11

← Sugama Tourist 

20:45 → 05:30 Sat, 20 Aug  
Manipal - Bangalore

**All Prices** ₹ 750 ₹ 900 ₹ 950

**i** Lower deck Upper deck



10:16 LTE 4G .11

← Manipal to Bangalore

**Primo** Safe | On-time | Comfortable Experience the best

**BOARDING** Add Location **DROPPING** Add Location

Location	Time
Manipal Bharat Petrol Pump Opp. Tiger Circle, Manipal Gas Station	20:45
Laxmindra Nagar Hayagreeda Nagar, Manipal - Udupi Road	20:47
Indrali Busstop Hayagreeda Nagar, Manipal - Udupi Road	20:48
Mgm College Kunjibettu, Manipal - Udupi Road	20:49

10:17 LTE 4G .11

← Manipal Bharat Petrol Pump,Manipal To Silk Board Bus Stop,Bangalore

**Primo** Safe | On-time | Comfortable Experience the best

**Contact Information**

Email ID: **shameem.u4@gmail.com**

Phone: **+91 9178921800**

 Send booking details and updates on WhatsApp number 9178921800

**Passenger Information**

Primary Passenger Seat L13

Name \_\_\_\_\_

Gender  Male  Female

Age \_\_\_\_\_

I have a GST number (optional)?

 **redBus Assurance Program**  **T&C Apply**

Secure your travel at just ₹17 per passenger



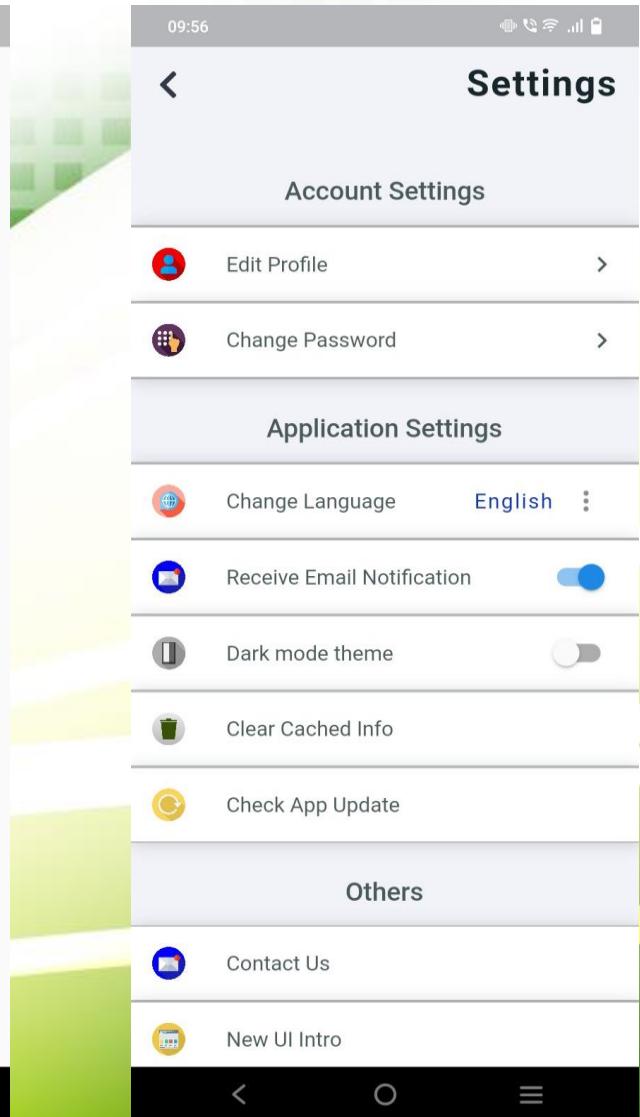
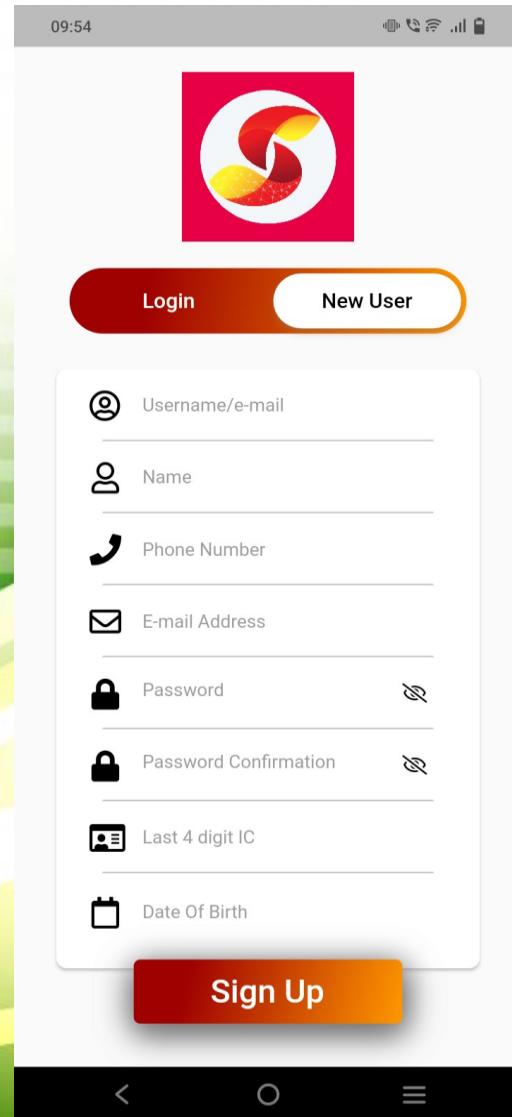
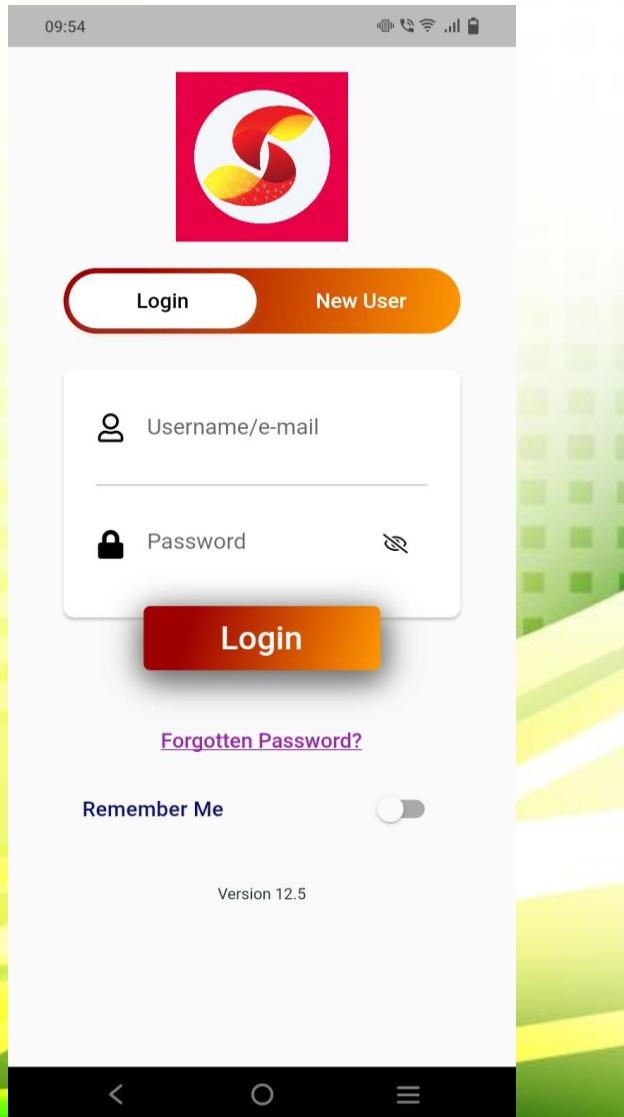
# BUS TICKET BOOKING

## Setting features:

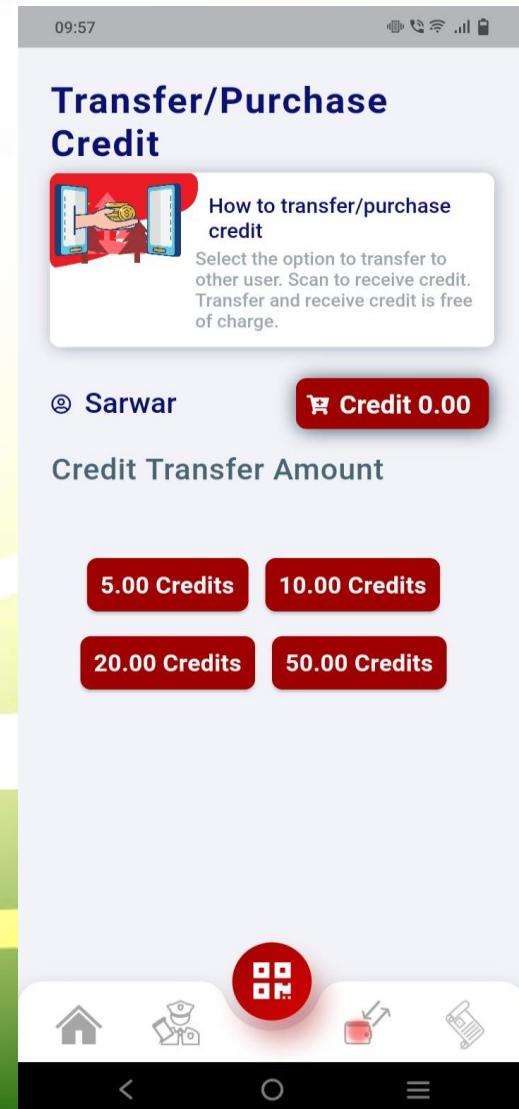
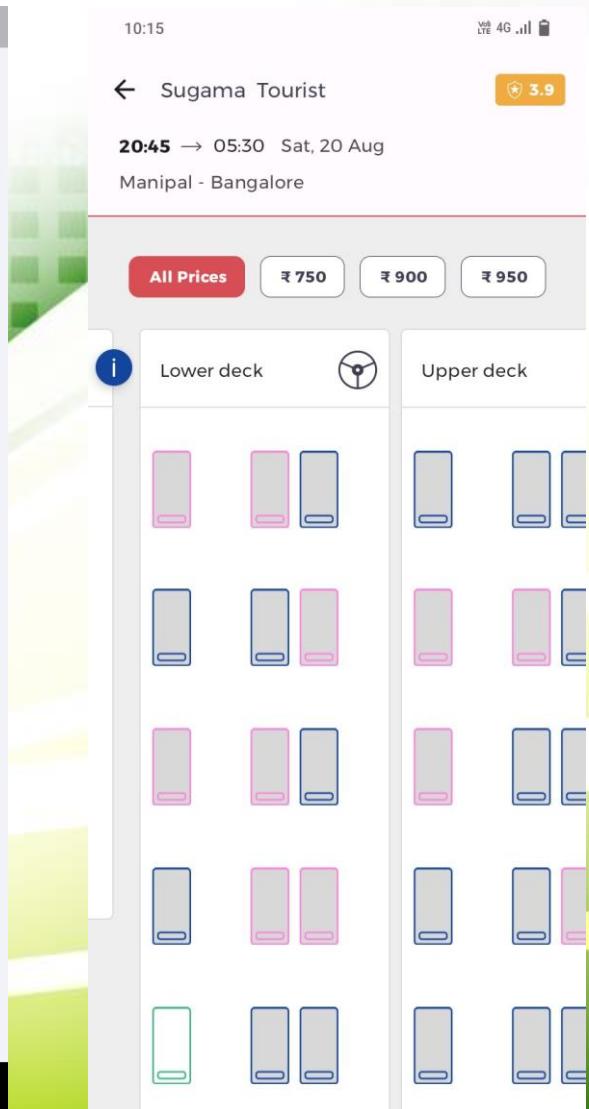
- Change background color/theme
- Change number of transaction/booking records in history (default last 10, last 30, all)
- Clear record history
- Exit

- Location database for maximum 30 places & 20 buses. Database is hardcoded; not user created.
- Type Search should work for location from database.
- Features: bus types (ac/non-ac/sleeper/seater), seat selection, source/destination selection, sort on price/alphabet, booking history etc.
- Notification on bus booking.

# CAR PARKING \*\*



# CAR PARKING \*\*



# CAR PARKING \*\*

## Setting features:

- Change background color/theme
  - Change number of parking records in history (default last 2 days, last 7 days, all)
  - Clear record history
  - Exit
- 
- Parking location/slot/price database for maximum 5 location, 20 slots in each. Database is hardcoded; not user created.
  - Type-based Search should work for location from database. Sort alphabetically.
  - Notification of parking slot allotment as message.
  - Login to app with multiple user account.
  - Features: user profile, location selection, slot selection/availability, price, credit balance, check-in/out, slot availability update, booking history, etc.

# VENUE BOOKING \*\*

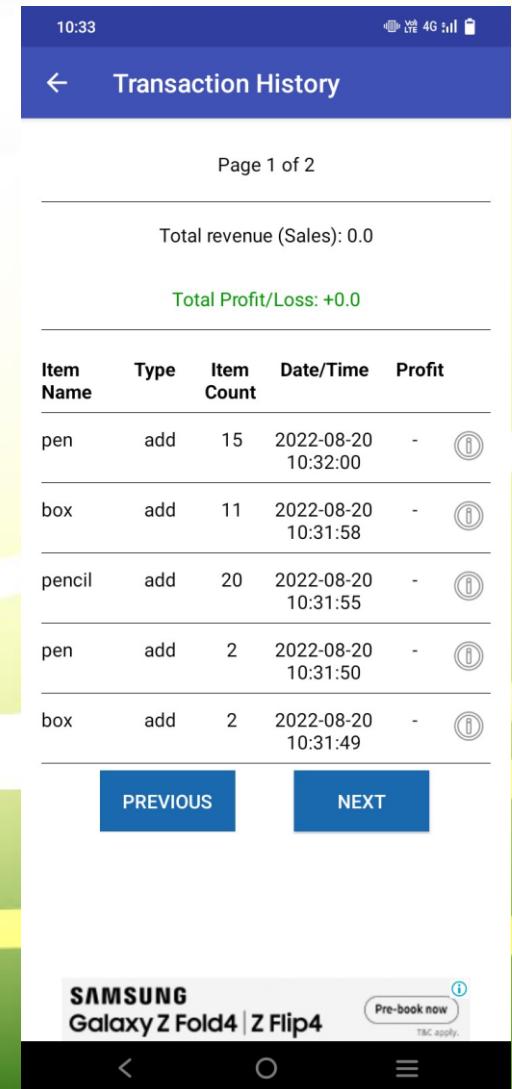
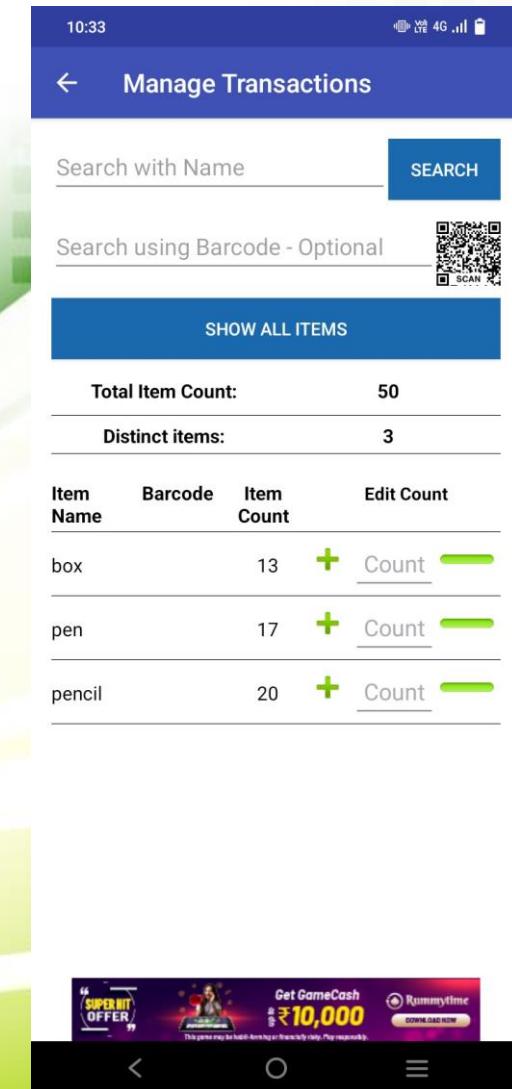
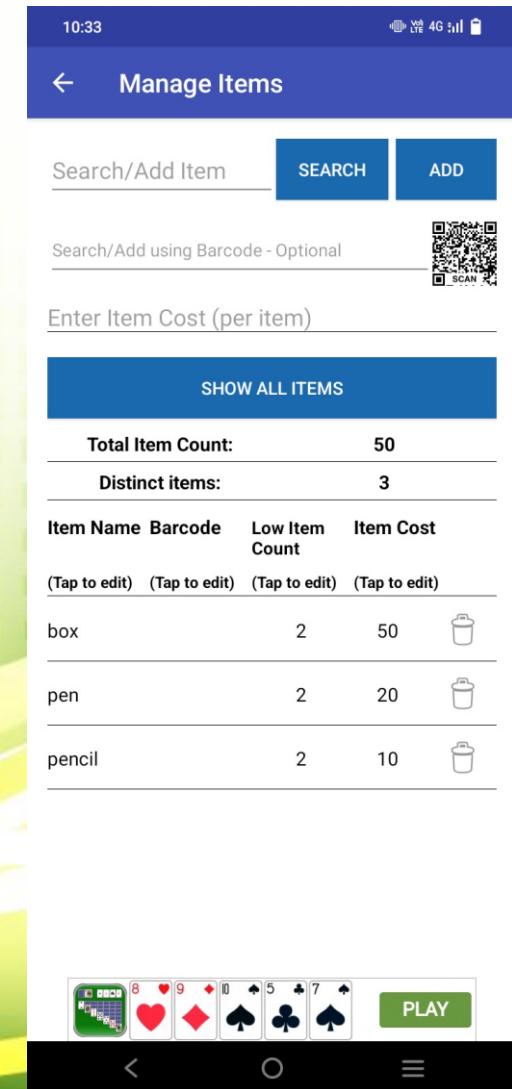
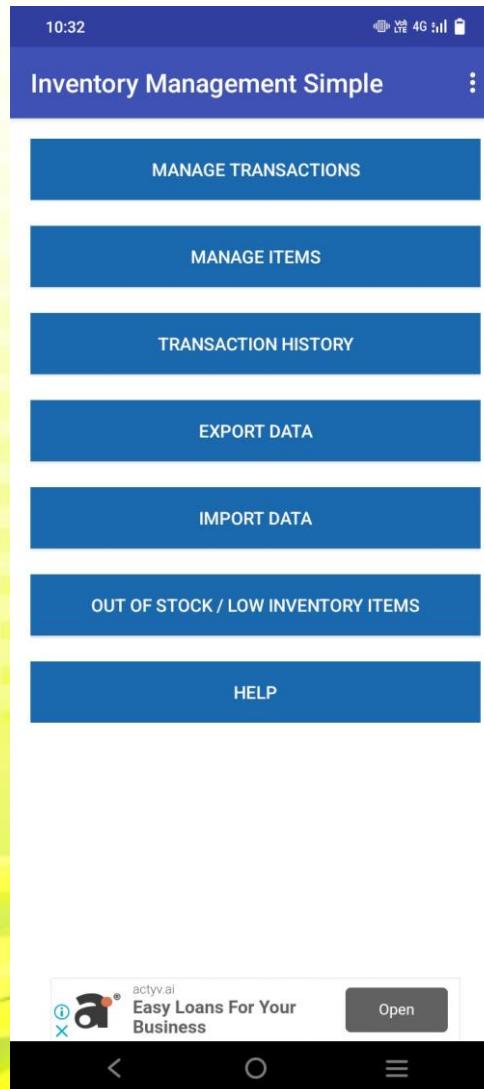
- Login: User makes booking request; Admin approve request
- Venue types: for sports, show, workshop, classroom etc.
- Each venue has specific facilities, capacity, instructions etc.
- Based on search request (type of event, capacity, date/time), user gets suitable/matching options.. User request approved/rejected by admin.
- User can check booked/availability status of venue.
- Venue database for maximum 5 types, 30 venues & 50 bookings. Venue Database is user created.
- Features: venue addition (by admin), deletion, category, booking creation, status update, sort/filter by type/capacity/date/time/availability, request withdrawal, waiting list, waitlist auto-upgrade upon cancellation etc.
- User/Admin profile creation.
- Notification on booking creation & acceptance/rejection.

# VENUE BOOKING \*\*

Setting features:

- Change background color/theme
- Change number of booking records in history (default last 10, last 30, all)
- Change number of venue per type in database (default 5,10, 9)
- Change number of waitlist seat in database (default 2, 1, none)
- Clear record history
- Logout
- Exit

# SHOW TICKET \*\*



# SHOW TICKET \*\*

Setting features:

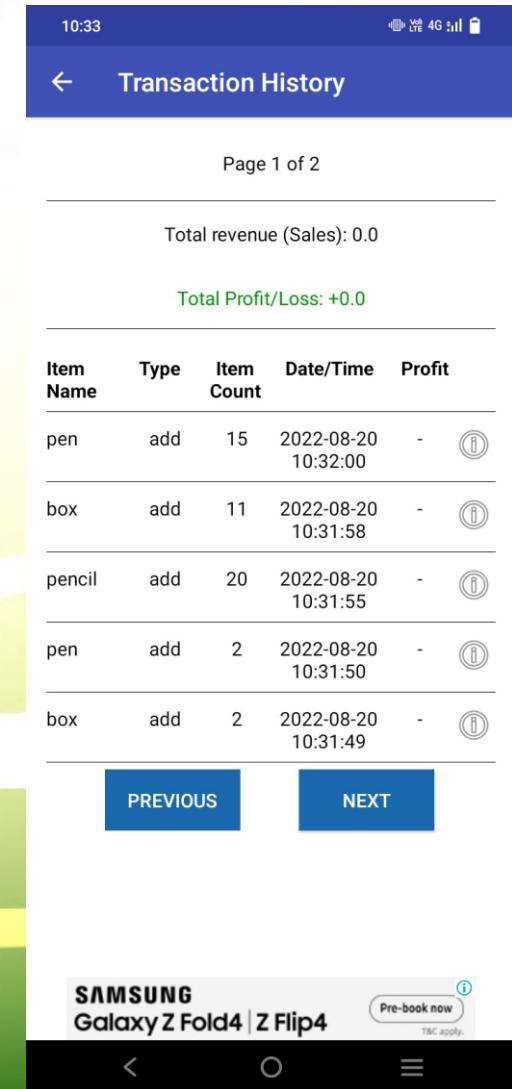
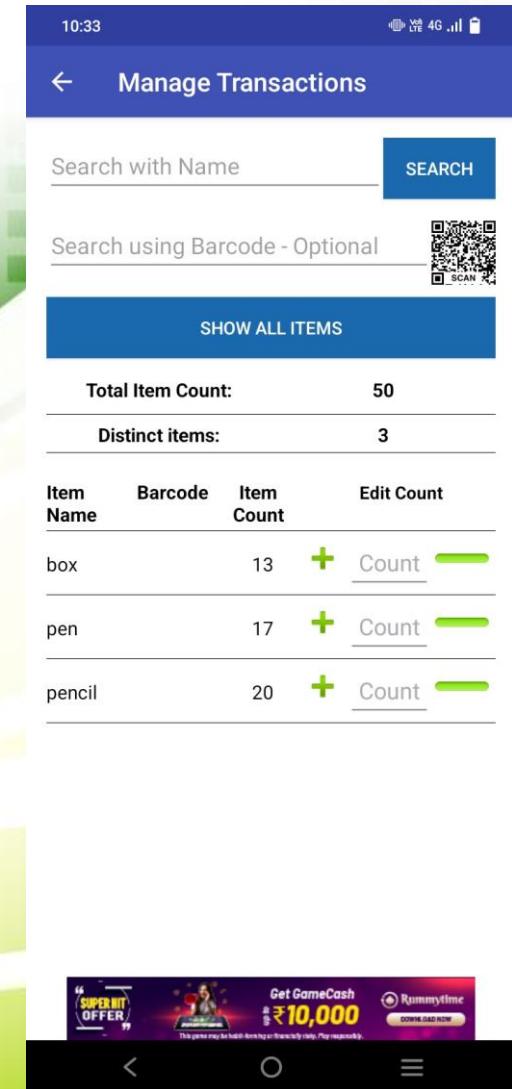
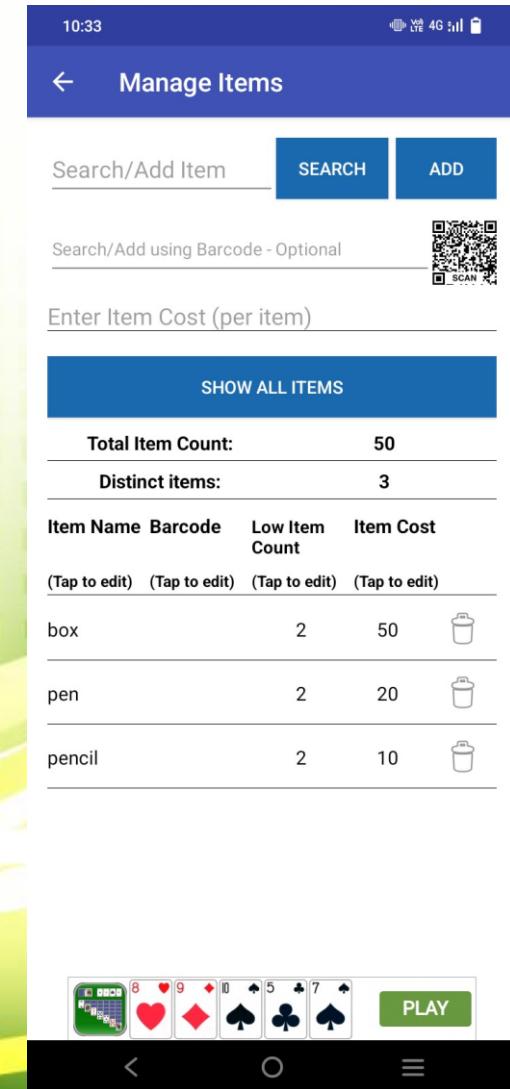
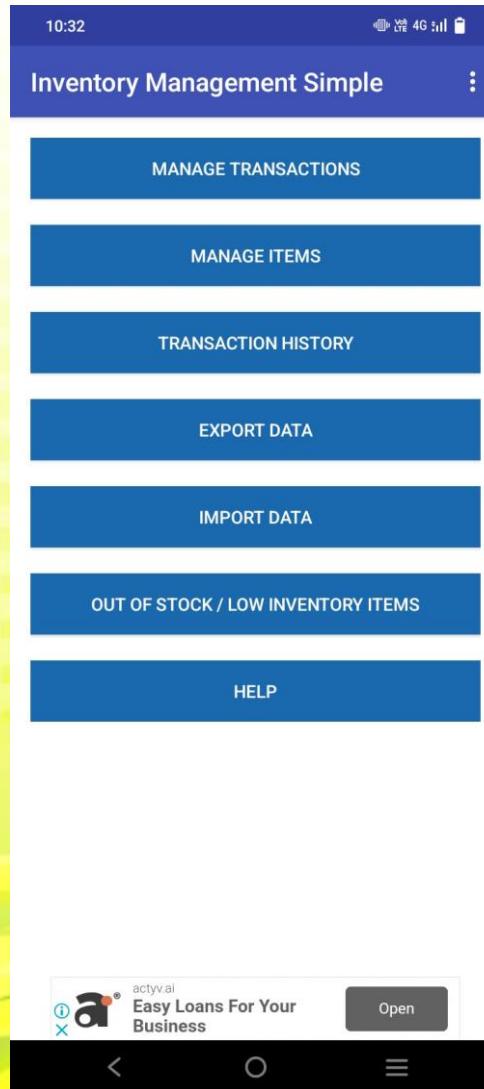
- Change background color/theme
- Change number of booking records in history (default last 10, last 30, all)
- Change number of events per type in database (default 10, 9, 20)
- Change number of waitlist seat in database (default 2, 1, none)
- Clear record history
- Logout
- Exit



# SHOW TICKET \*\*

- User profile creation.
- Show types: for music event, comedy, movie, cultural, ceremony etc.
- Each show\_type has multiple event options to choose from.
- Based on search request (type of event, genre, date/time, city, etc), user gets suitable/matching options.
- Event detailed description for User reference.
- User may book specific seat option (vip, guest, regular, etc... specific row, column, etc).
- User can check booked/availability status of event.
- Show database for maximum 5 types, 50 events. Show Database is hardcoded, NOT user-created.
- Features: event types, description, seat options, booking, status check, sort/filter by type/city/date/time/availability, booking cancellation, waiting list, waitlist auto-upgrade upon cancellation etc.
- Notification on booking completion.

# INVENTORY MGMT





# INVENTORY MGMT

## Setting features:

- Change background color/theme
- Change number of transaction records in history (default last 10, last 30, all)
- Change number of product in database (default 10, 20, 30)
- Clear record history
- Exit

- Product database for maximum 30 items & 50 transaction. Database is user created.
- Type Search should work for product from database.
- Features: product addition, deletion, product category, order creation, inventory update, sort by name/stock/category/popularity etc.
- Notification on order creation.

# HOSPITAL APPOINTMENT SYSTEM \*\*

- Registration: Patient registers for first time; Admin approve request
- Login: Patient makes appointment request based on symptom; Admin approve request.
- Appointment should be based on doctor preference, or on symptom based dept specialization.
- Doctor availability checked for appointment.
- Patient meeting is recorded.
- Hostorical meeting information is refered for appointment booking.
- Each Dept, doc has specialization, slots, capacity etc.
- Based on search request (type of event, capacity, date/time), user gets suitable/matching options.. User request approved/rejected by admin.
- User can check booked/availability status of doc.
- Database for maximum 5 dept, 20 doctor. Database is admin created.
- Features: dept/doc addition (by admin), deletion, specialization, booking creation, status update, sort/filter by type/capacity/date/time/availability, request withdrawal, waiting list, waitlist auto-upgrade upon cancellation etc.
- User/Admin profile creation.
- Notification on appointment creation & acceptance/rejection.



# HOSPITAL APPOINTMENT SYSTEM \*\*

Setting features:

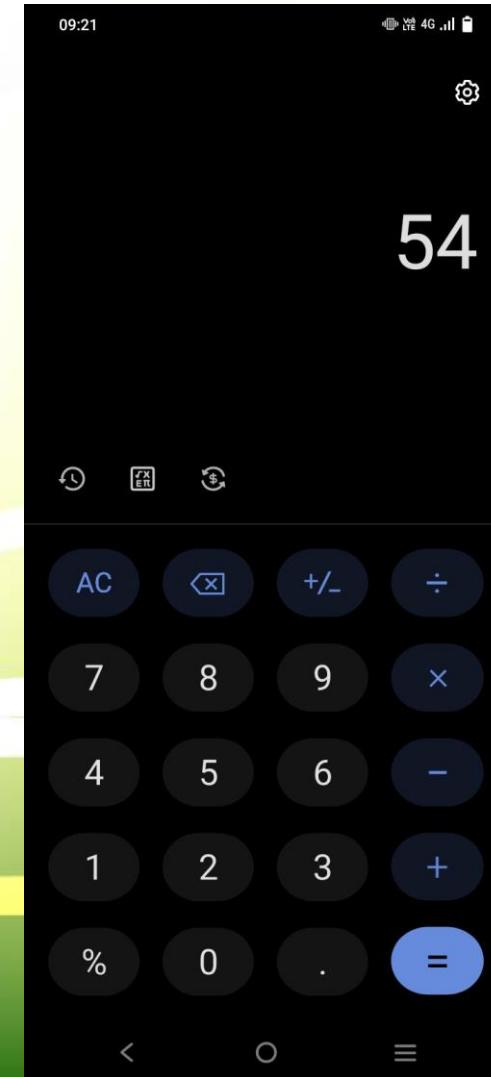
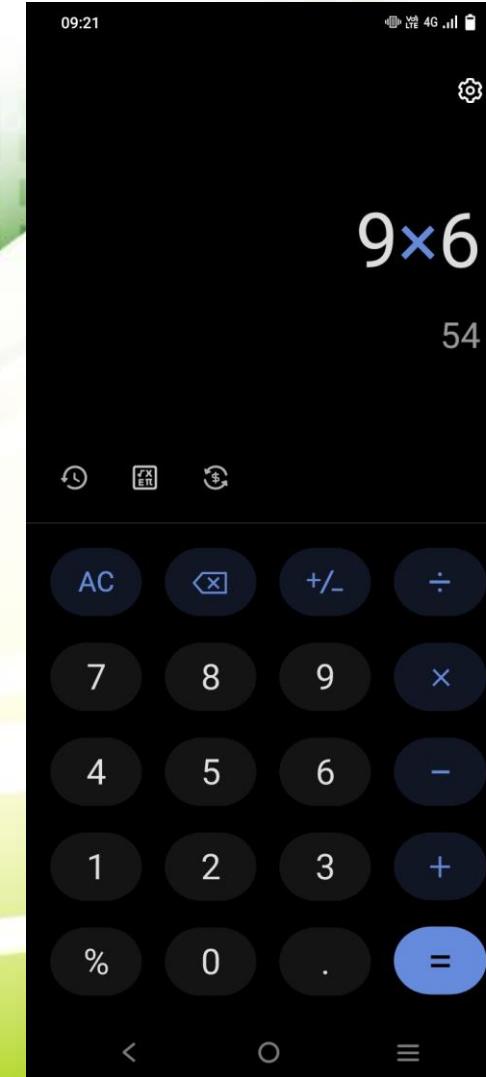
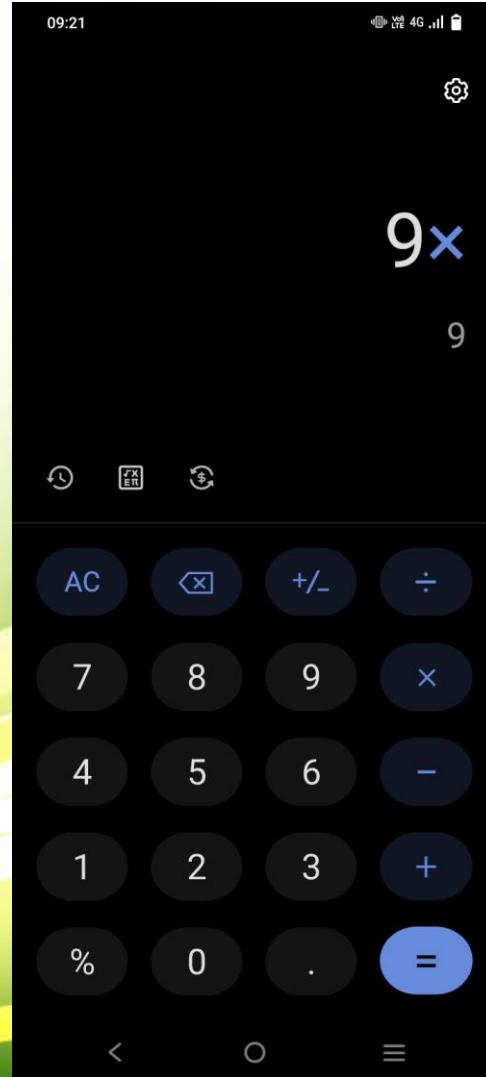
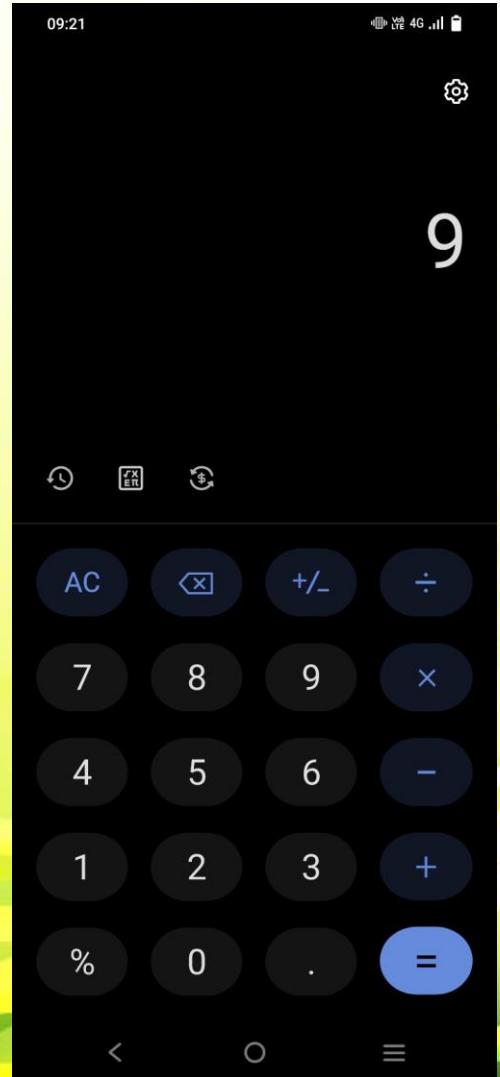
- Change background color/theme
- Change number of upcoming appointment records (default next 2 days, 7 days, all)
- Change number of finished appointment records. (default last 2 days, 7 days, all)
- Clear past record history
- Exit



# COLLEGE ELECTION SYSTEM \*\*\*

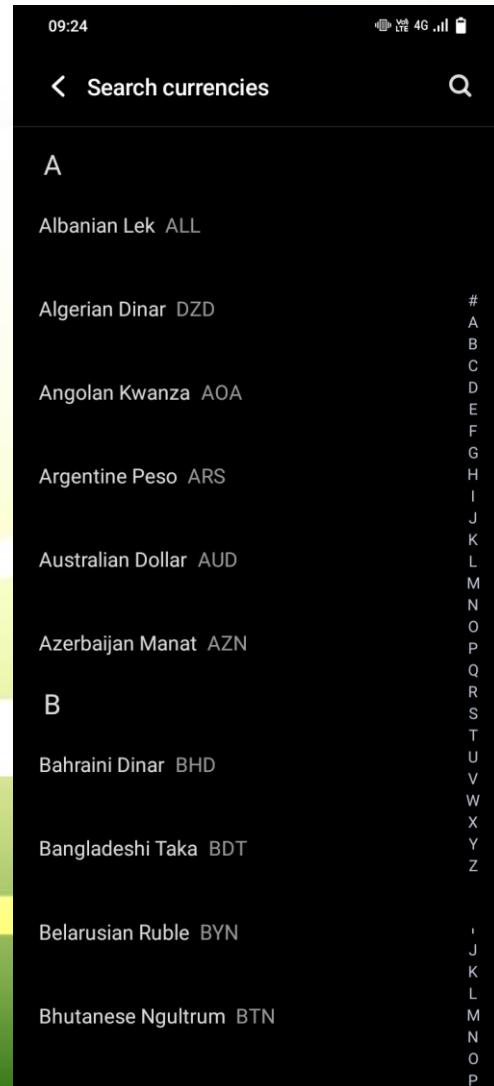
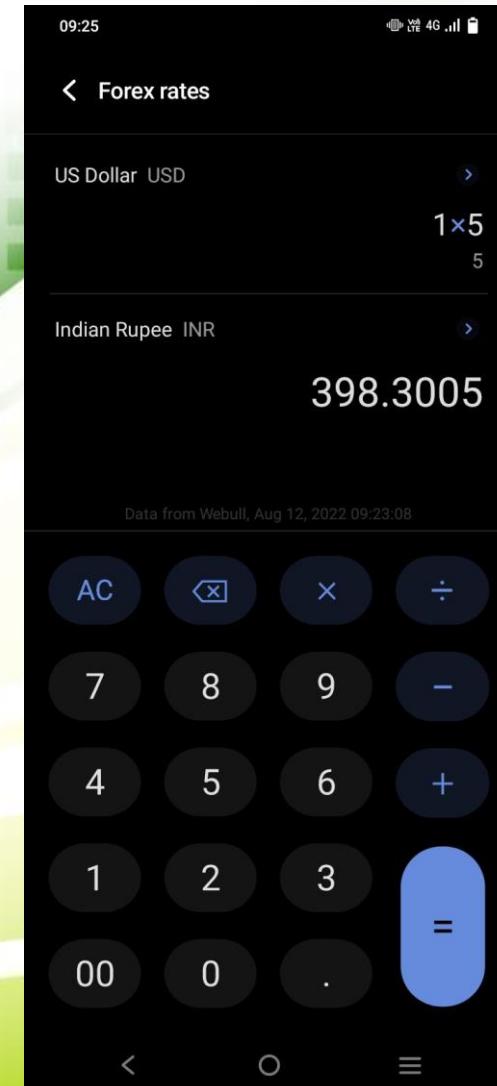
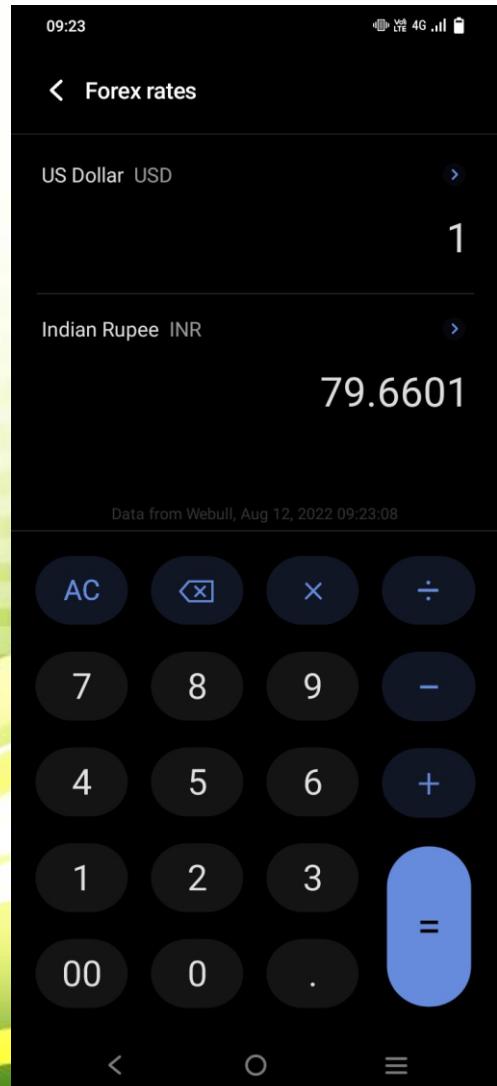
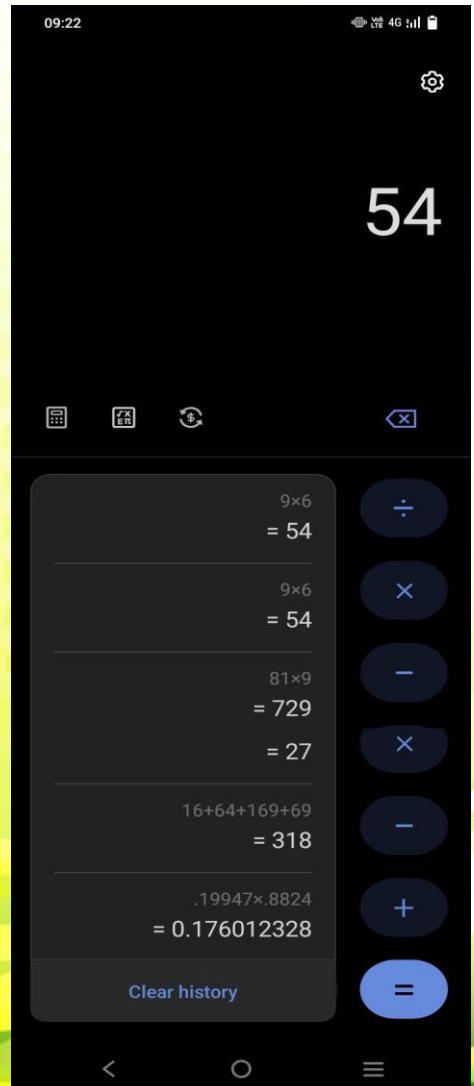
- Candidate profile creation... info, agenda.
- Party and post-wise list of candidate search.
- Previous election Party and post-wise records.
- Important announcements.
- User login for search.
- Valid anonymous login for voting.
- Vote Results.
- Database for maximum 3 parties, 10 posts & 20 candidates. Database is admin created.
- Notification on candidate addition, withdraw, important announcements & results.

# CALCULATOR & CURRENCY CONVERTER





# CALCULATOR & CURRENCY CONVERTER

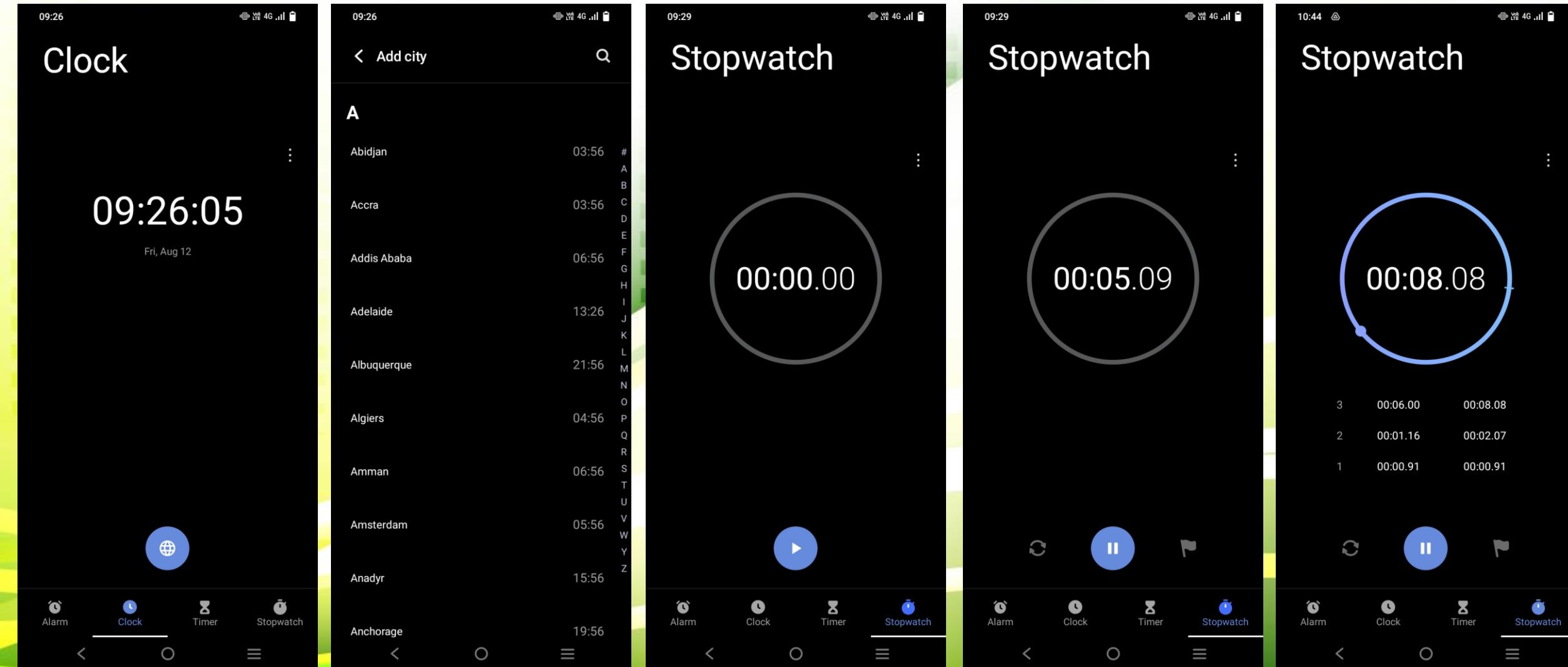


# CALCULATOR & CURRENCY CONVERTER

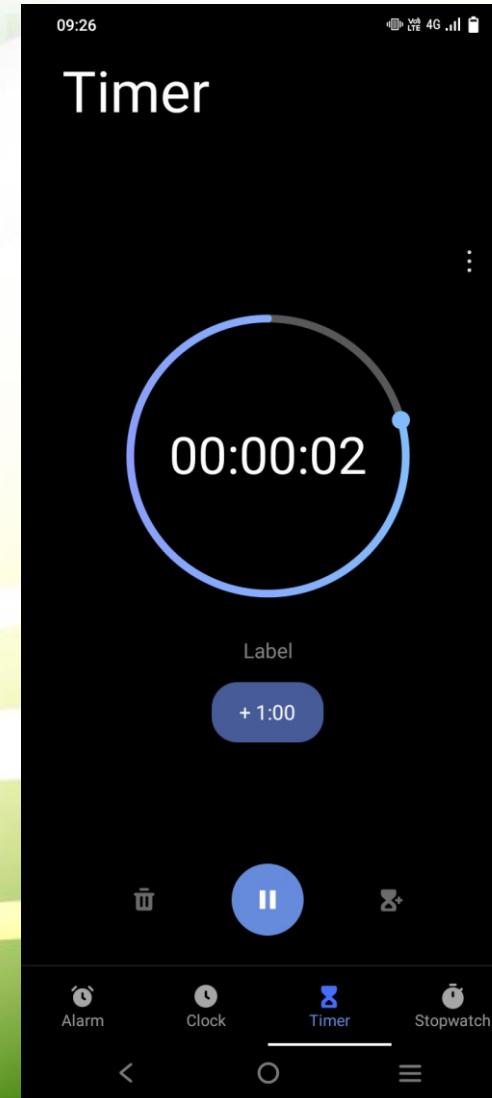
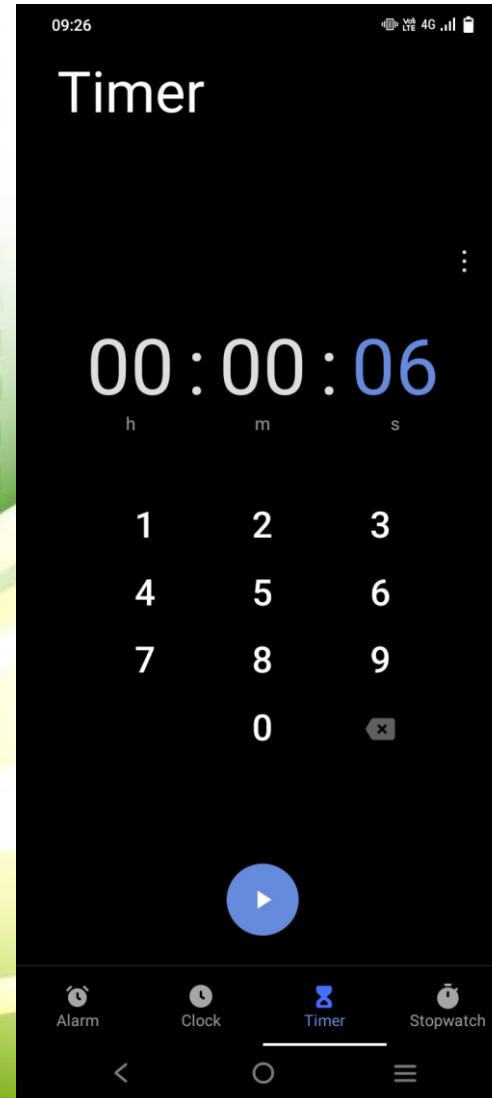
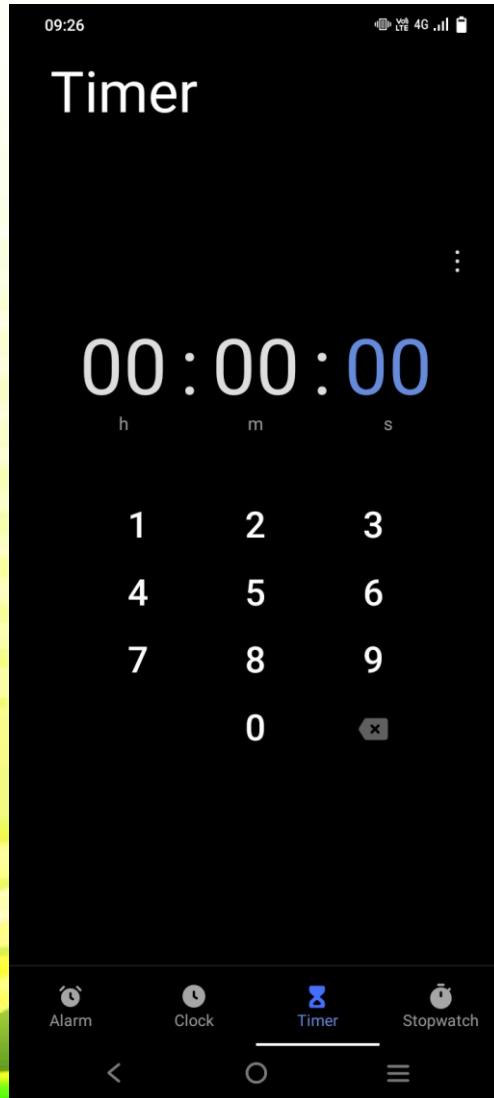
Setting features:

- Change background color
  - Change button color
  - Change number of records in history (default 10, maximum 30)
  - Clear record history
  - Change decimal value for currency conversion
  - Exit
- 
- Currency conversion database for 20 strongest in the world, and India (default).
  - Database is hardcoded; not user created.
  - Search feature should work for currency from database.
  - Calculator '+/-' button/feature to be replaced with power '^' button/feature.
  - Buttons to be round/circled corner; with suitable theme.

# CLOCK, TIMER & STOPWATCH



# CLOCK, TIMER & STOPWATCH

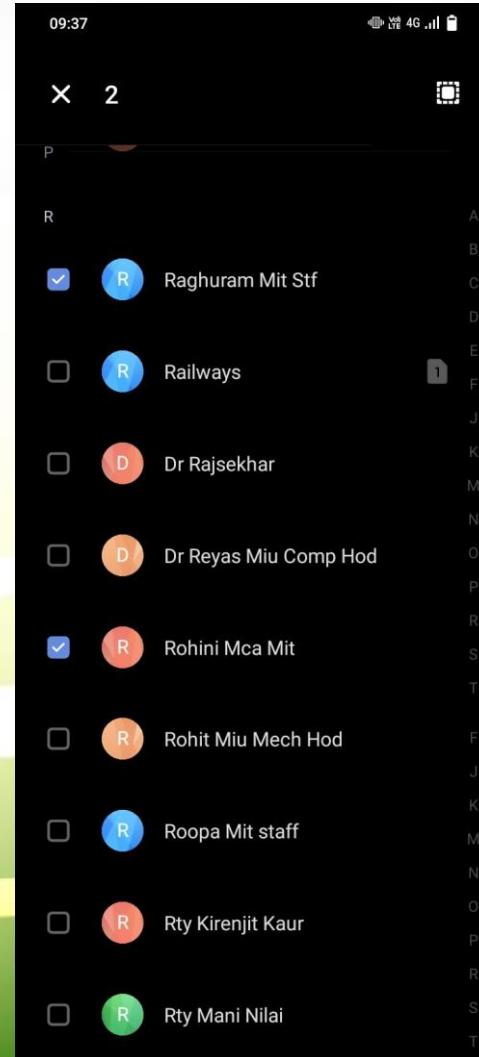
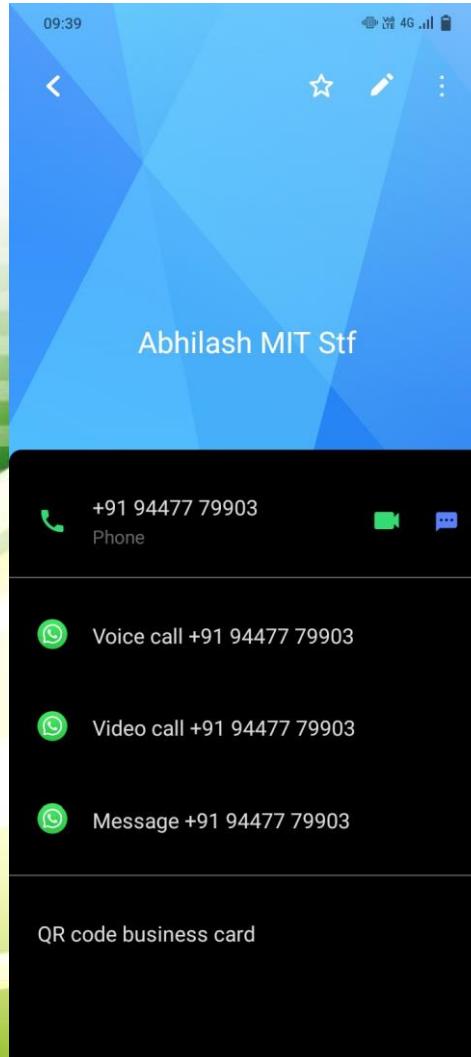
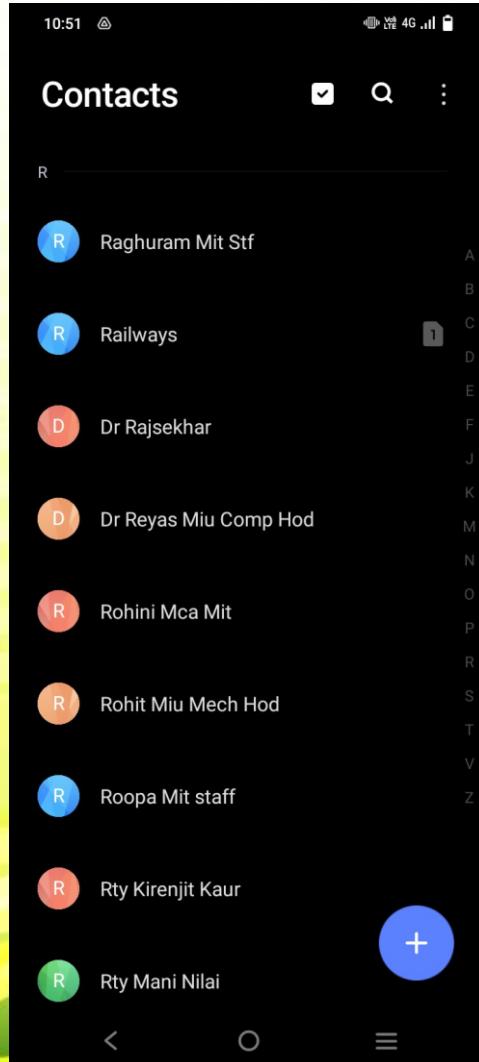


# CLOCK, TIMER & STOPWATCH

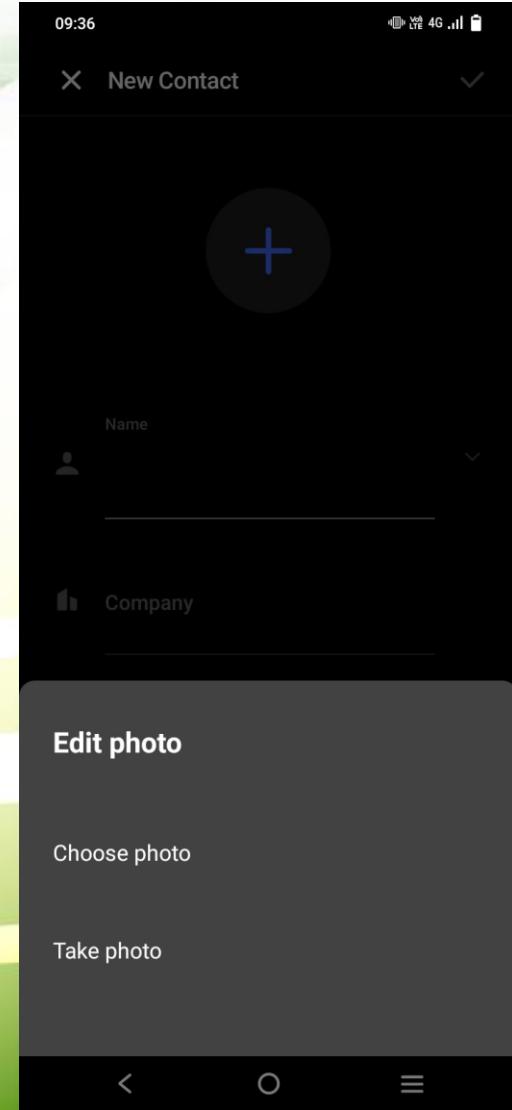
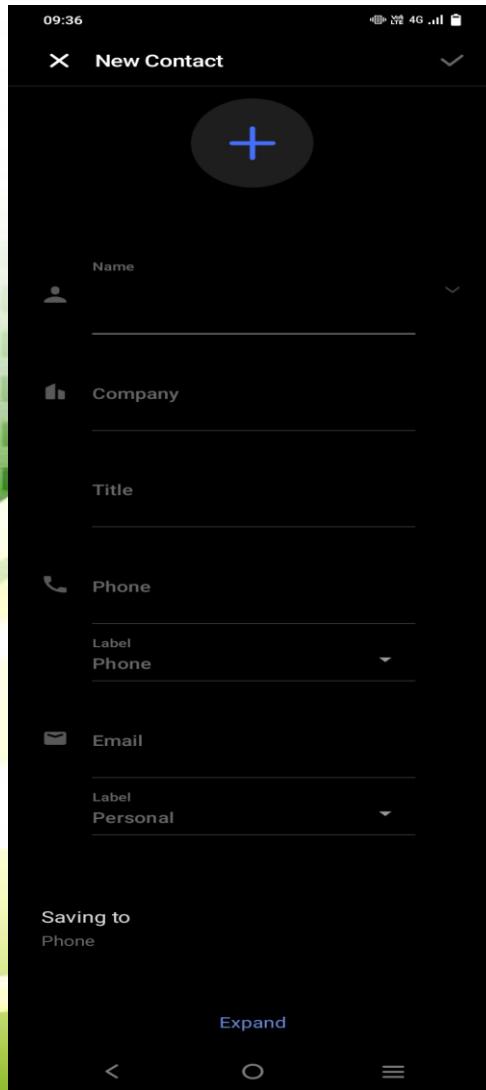
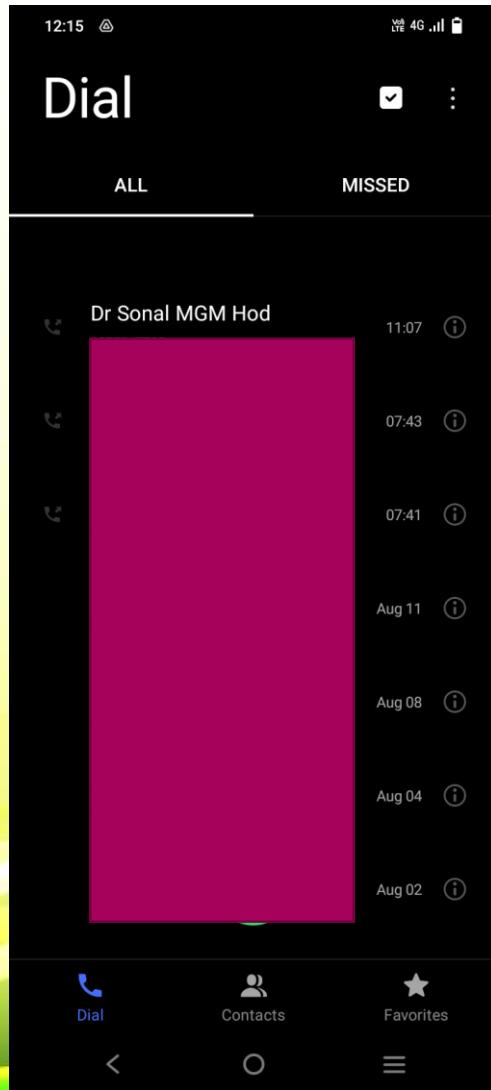
Setting features:

- Change background color
  - Change button color
  - Change number of records in stopwatch intervals/history (default 5, maximum 10)
  - Clear record history
  - Exit
- 
- Geographical database for 10 popular timezone in the world, and India (default).
  - Database is hardcoded; not user created.
  - Search feature should work for timezone from database.
  - Notification message on alarm/stopwatch completion.
  - Buttons to be round/circled corner; with suitable theme.

# CONTACT



# CONTACT



# CONTACT

Setting features:

- Change background color
  - Change listview colors based on group
  - Sort as alphabet or group.
  - Change number of records history (default 20, maximum 50)
  - Clear record history
  - Exit
- 
- Contact database for maximum 100 people. Database to be created by user.
  - Type Search should work for contact from database.
  - Selective search based on alphabet/group.
  - Notification as message sent to single/multiple contacts for dial/message options.
  - Listview of calls/messages sent, with date/time.
  - Different avatars for contact photo.
  - Group contacts as groups: family, office, social, etc.



# CHAT

The image shows five screenshots of the WhatsApp mobile application interface:

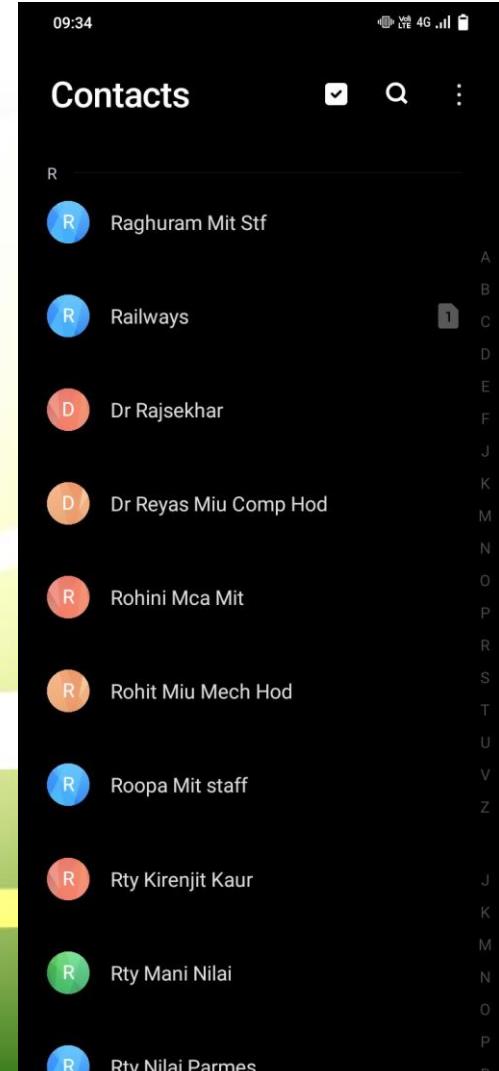
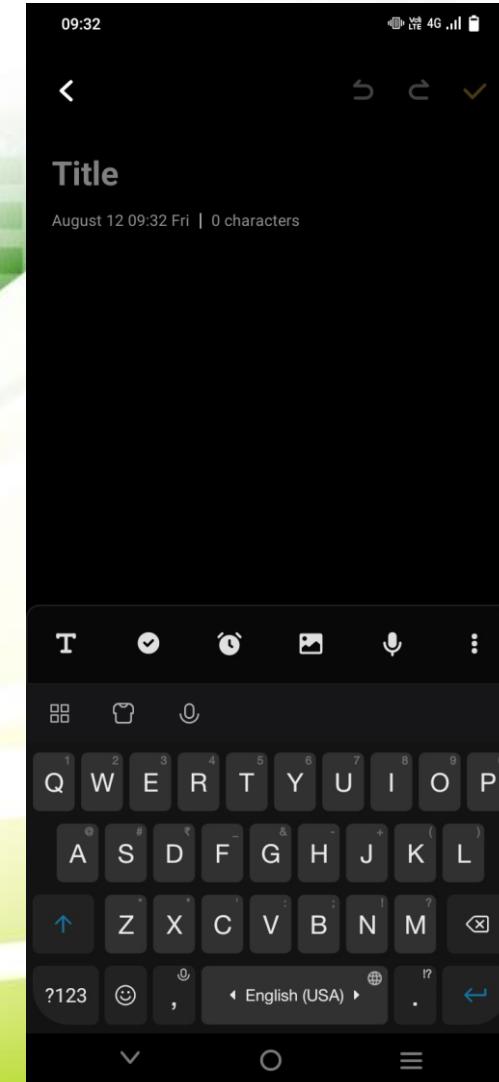
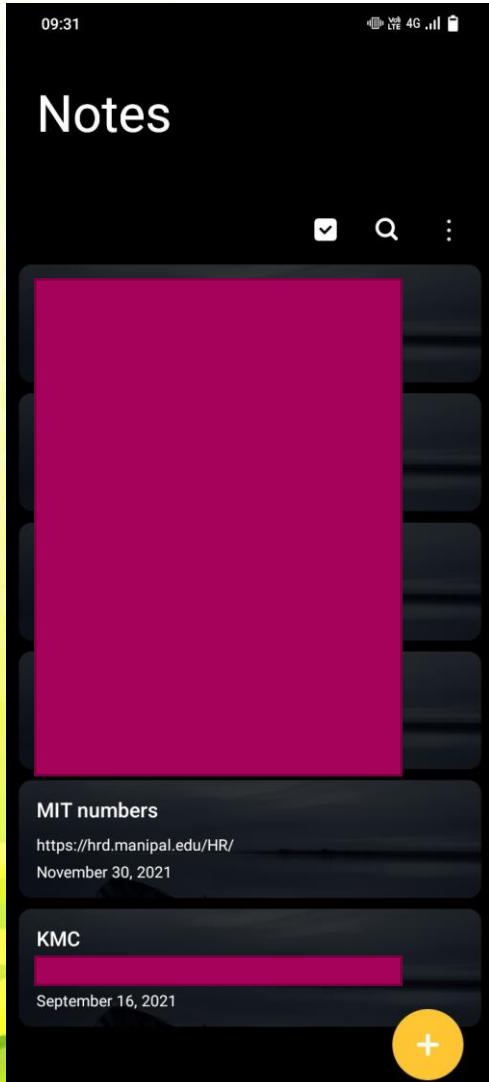
- Screenshot 1:** WhatsApp home screen showing a list of chats. Chats include "DSCA Faculty" (8/18/22), "DSCA@MIT Social Group.", "KKs Research Team @ MIT", "MCA@MIT\_2021" (8/11/22), and "4thSem Internship/project" (7/20/22). A red box highlights the "DSCA Faculty" chat.
- Screenshot 2:** "Select contact" screen with options for "New group" and "New contact". Below is a list of "Contacts on WhatsApp" including "Abhilash MIT Stf".
- Screenshot 3:** Chat screen with Abhilash MIT Stf. The message history shows a message from "Abhilash MIT Stf" dated 10:22 and a message from "You" dated 10:22.
- Screenshot 4:** Chat screen with "DSCA Faculty". A message from "Abhilash, KK, Manjunath MIT..." dated 10:20 is shown. The message content is partially visible: "11. Corrected final report after incorporating changes suggested by internal guide from time to time." A "Read more" link and a timestamp "August 18, 2022" are also present.
- Screenshot 5:** Group info screen for "DSCA Faculty" (Group - 22 participants). It shows group settings like "Add group description", "Mute notifications", "Custom notifications", "Media visibility", "Starred messages", "Encryption" (end-to-end encrypted), and "Disappearing messages" (Off). The group photo shows a group of people.

# CHAT

## Setting features:

- Change background color/theme
  - Change number of chat records in history (default last 10, last 30, all)
  - Clear record history
  - Exit
- 
- Contact database for maximum 50 people. Database to be created by user.
  - New contact creation. Different avatars for contact photo. Group contacts as groups: family, office, social, etc.
  - Listview of messages sent, with date/time. Enable sent-message deletion.
  - Type-based Search should work for contact from database. Sort alphabetic/group option.
  - Selective search based on alphabet/group.
  - Notification as message sent to single/multiple contacts for dial/message options.
  - Login to app with multiple user account (to validate chat feature).

# NOTE PAD



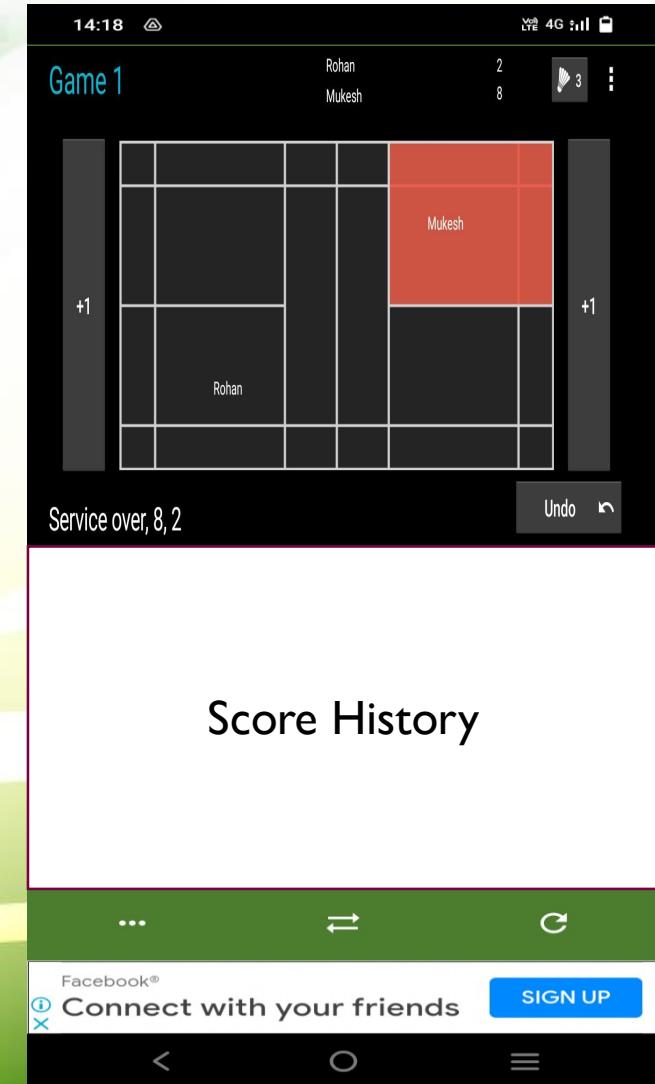
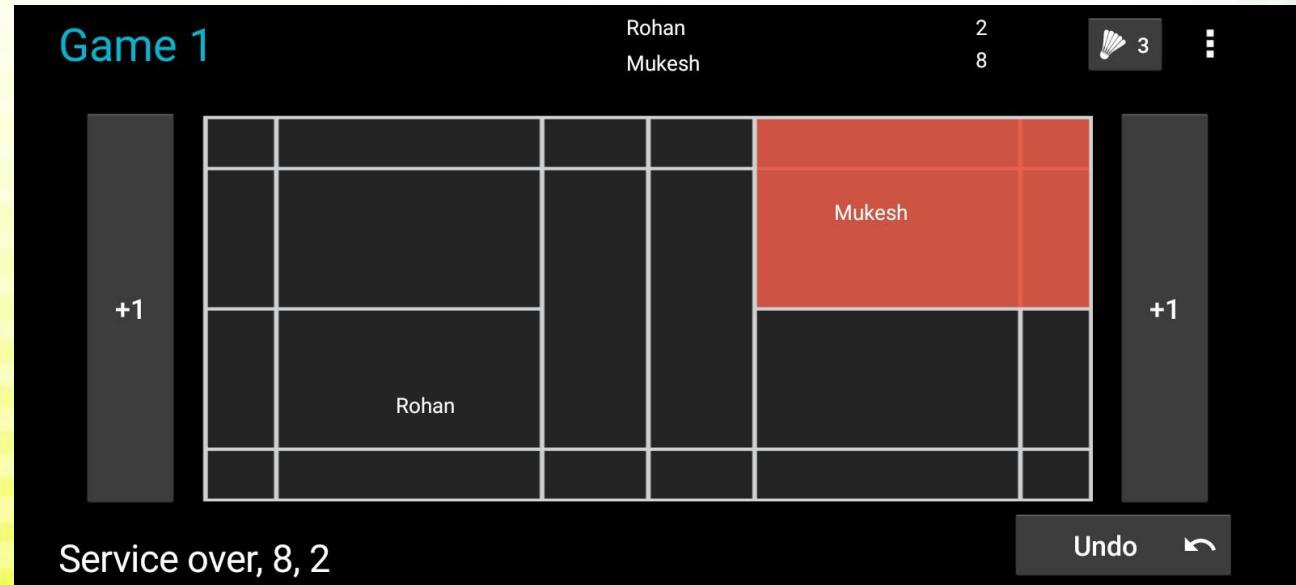
# NOTE PAD

## Setting features:

- Change background color/theme
- Change listview colors/theme
- Exit

- Notepad database for maximum 50 notes. Database is user created.
- Date, time, word/alphabet count for notes.
- Type Search should work for Notes from database. Search based on keyword, date, time, etc.
- Notification as message sent to single/multiple contacts.
- Contact database for maximum 20 people. Database is hardcoded; not user created.
- Enable alarm for notes (as todo). Notification message as per alarm.

# BADMINTON SCORE



# BADMINTON SCORE

## Setting features:

- Change background color/theme
  - Change box highlight color
  - Change timer setting (10s, 20s, 30s)
  - Change number of match records in history (default last 10, last 30, all)
  - Change limit to undo operation.
  - Clear record/stat history
  - Exit
- 
- Record and point databases is auto created.
  - Notification as message on match finish (win/loss).
  - Penalty card, point undo, service over, game point, match point features.
  - Score history with date/time.
  - Single, double match features.