CSE431: Mobile Programming

Presented by:

Mariam Essam 20P6483

Date:

12/20/2024

Documentation

Introduction

Hedyety is a gift management mobile application that allows user to create events, associate gifts with the events and share this information with his friends. This will enable his friends to see his wish list and pledge him the gifts on his special occasions. Hedyety is a flutter application that is developed while giving utmost importance to having a user-friendly interface. It will also integrate local database and real-time database for data storage. Additionally barcode scanner feature to enable automatic addition of gifs in the wish list. And much more features are included including a notification system, animation. Finally to ensure high application quality testing will be done using auto-test scripts.

Survey of Similar Applications

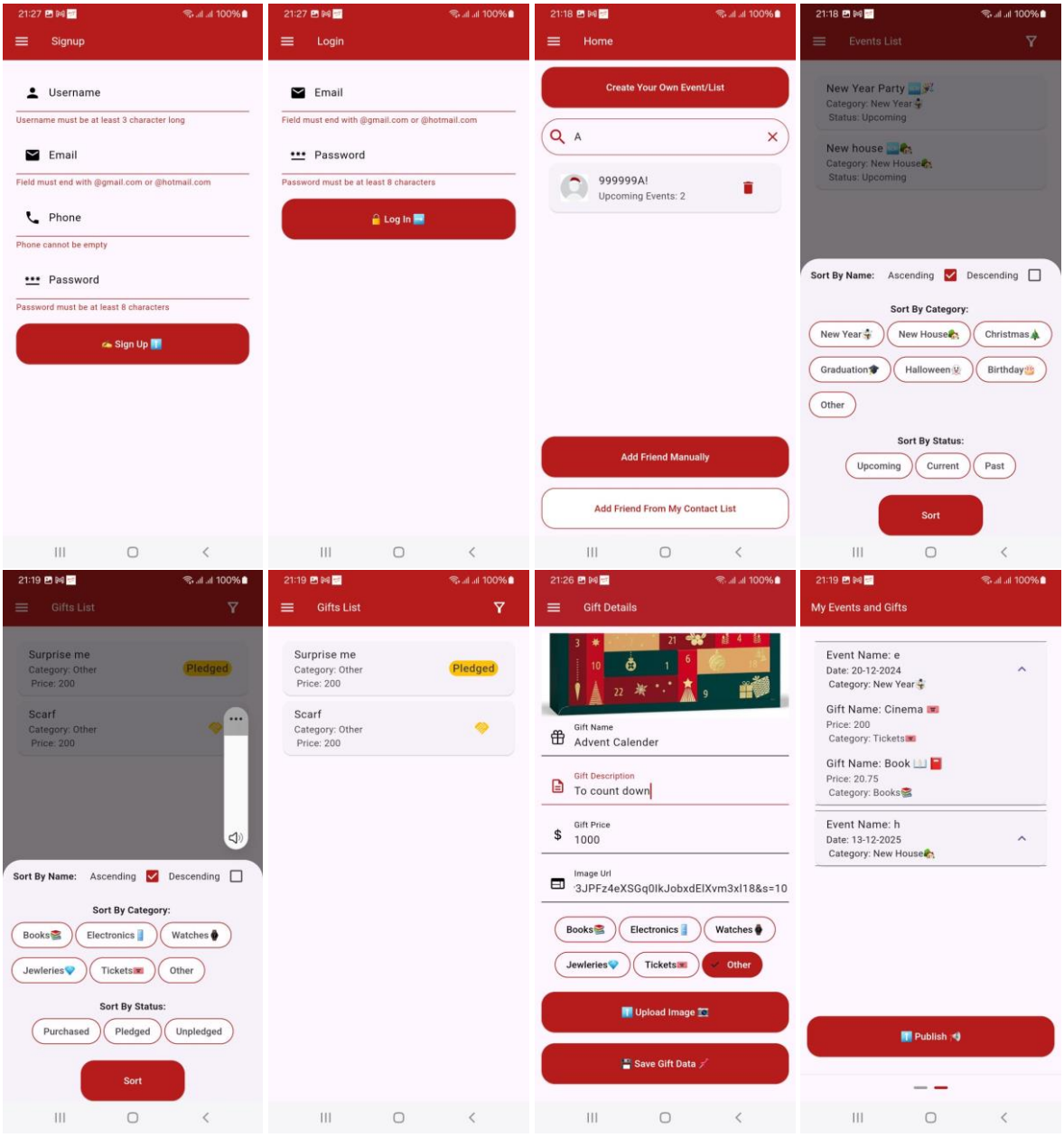
Christmas Gift List is one similar application used for tracking and allows setting a budget for gifs, list sharing through email, Twitter and other apps and having backups on Google drive. It also supports different languages and currency, provides statistics such as total budget and uses passwords to ensure user's gift list is protected. However, it does not support user in creating events, since it used for Christmas gifts and it only available on Android platform.

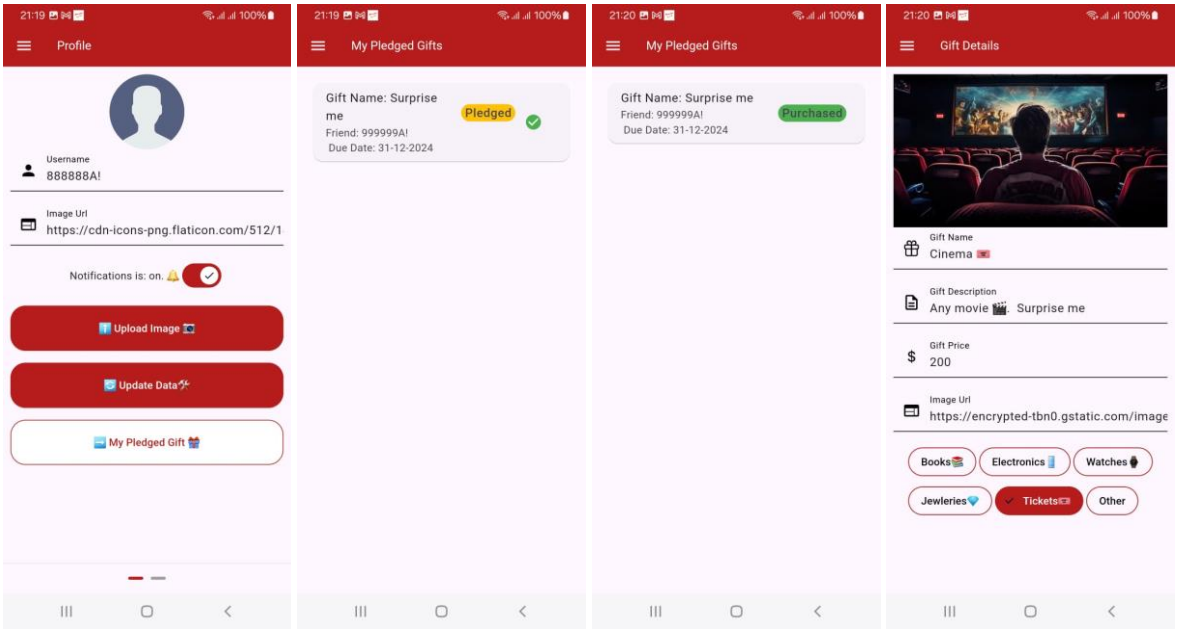
Elfster: The Secret Santa App supports Android, iOS and online browsing. It can be used as Secret Santa generator, manage your gifts and suggest gifts. It provides a user-friendly interface and fast responses and save time of user especially in the Christmas season. It also provides stock, however it lack gifts for certain users and sometime the products are out-of-stock. The stock feature made this software stand out.

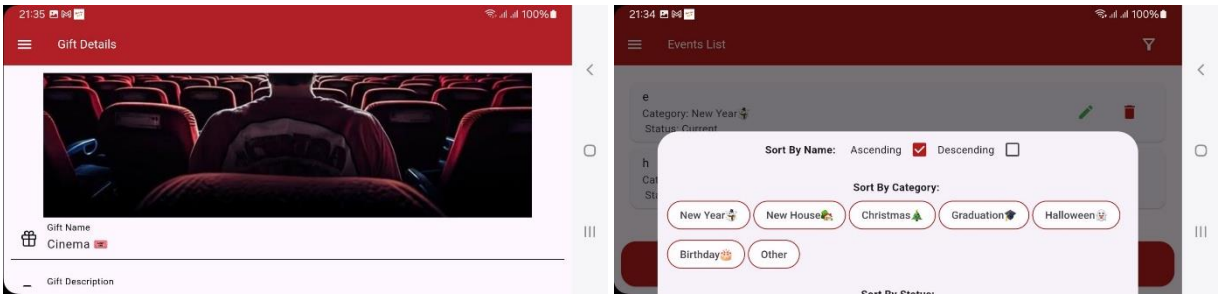
GiftList supports Android, iOS and online browsing. It provides the user with the ability to scan the gift form the shelves and stores. In addition to having a chat feature besides gift management. Not to mention the ability to shop from known brands like Amazon, Walmart, Ebay and even small brands. There is also a blog section on the website.

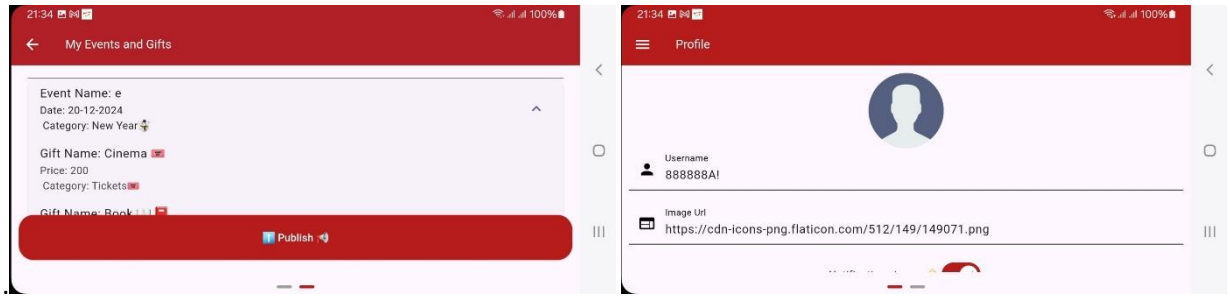
UI Design Description and Screenshots

- Reusage of common widgets like
- Template widget with app bar, drawer, padding
- Design was mainly a column with a single child scroll view and sized box for spacing
- Design by default support the two orientations with exception to home (so adjustments was made making all buttons in the same row)

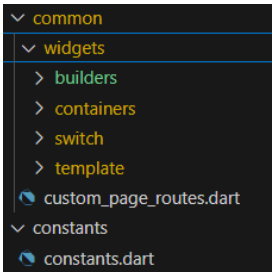

Signup
Username
Username must be at least 3 character long
Email
Field must end with @gmail.com or @hotmail.com
Phone
Phone cannot be empty
Password
Password must be at least 8 characters
Sign Up
Login
Email
Field must end with @gmail.com or @hotmail.com
Password
Password must be at least 8 characters
Log In
Home
Create Your Own Event/List
A
999999A!
Upcoming Events: 2
Add Friend Manually
Add Friend From My Contact List
Events List
New Year Party
Category: New Year
Status: Upcoming
New house
Category: New House
Status: Upcoming
Sort By Name: Ascending Descending
Sort By Category:
New Year
New House
Christmas
Graduation
Halloween
Birthday
Other
Sort By Status:
Upcoming
Current
Past
Sort
Gifts List
Surprise me
Category: Other
Price: 200
Pledged
Scarf
Category: Other
Price: 200
Sort By Name: Ascending Descending
Sort By Category:
Books
Electronics
Watches
Jewleries
Tickets
Other
Sort By Status:
Purchased
Pledged
Unpledged
Sort
Gifts List
Surprise me
Category: Other
Price: 200
Pledged
Scarf
Category: Other
Price: 200
Gift Details
Gift Name
Advent Calender
Gift Description
To count down
Gift Price
$
1000
Image Url
3JPFz4eXSGq0IkJobxdEIXvm3xI18&s=10
Books
Electronics
Watches
Jewleries
Tickets
Other
Upload Image
Save Gift Data
My Events and Gifts
Event Name: e
Date: 20-12-2024
Category: New Year
Gift Name: Cinema
Price: 200
Category: Tickets
Gift Name: Book
Price: 20.75
Category: Books
Event Name: h
Date: 13-12-2025
Category: New House
Publish



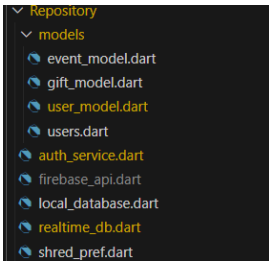




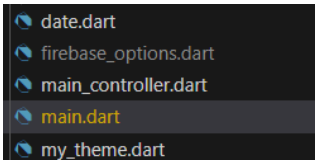
Code Description



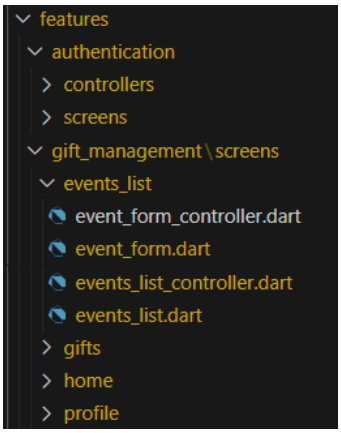
- Common> contains frequently used widget to avoid code duplication
- Constants> contains constant list and validators



- Repository contains
  - models which access local database
  - Local database
  - Authentication Service
  - Shared Preferences
  - Realtime database
  - Notification Service (Firebase API)



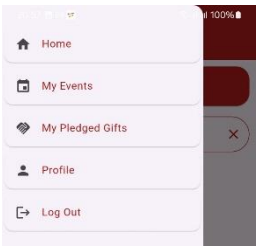
- Some Other files



- Feature based hierarchy
- With each folder containing the view and the controller of each page

Navigation Scenarios

- Sign Up > Login
- Add Friend> View Friends Events > Filter > View Friends Gifts > Filter > Pledge
- Add Event for User> Add Gifts > Edit > Publish all events, gifts and profile
- View and Edit Profile > Save Changes > Swipe> View All Gifts and Events
- View My Pledged Gifts > Change Status to purchased
- Drawers for fast navigation



Test Plan and Test Scoreboard

- Test Scenario: Pledging Scenario (End to End)
- Unit Testing: Test local database functions
- All tests passed before adding form validation. Now end to end test will not pass because from inputs are not valid.
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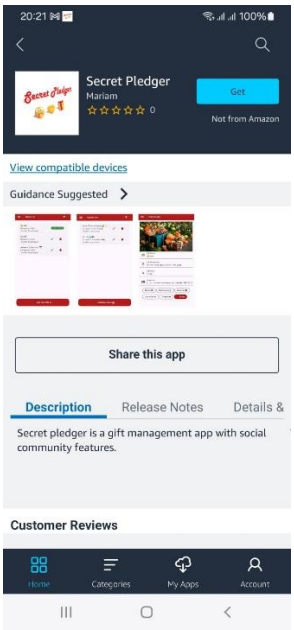
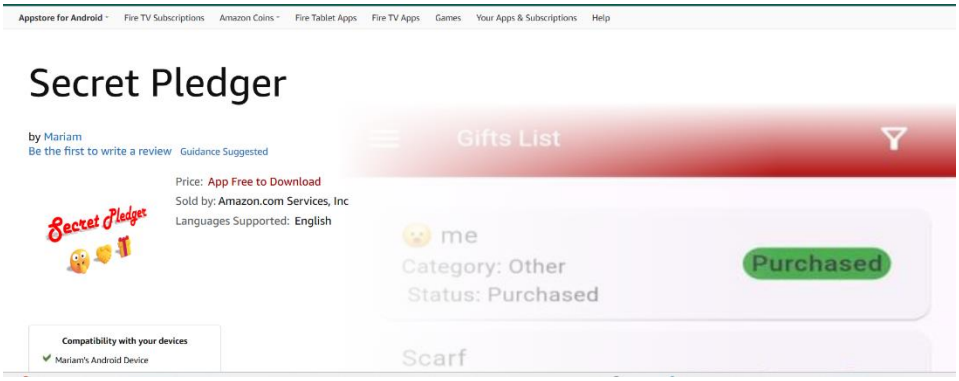
Known Bugs

- Sometime the list is duplicated
- Sometime the pages need to be reloaded

Publishing on Amazon Store

https://www.amazon.com/gp/product/B0DR32XX17





YouTube Video

https://youtube.com/shorts/0nztizaDP2w

GitHub Activity and Link

https://github.com/XXMariamX/Hedyety

Activity

All branches · All activity · All users · All time · Showing most recent first

- **final verison??** — XXMariamX pushed 1 commit to `cloudDatabase` • b98b949...fd0de8a • 5 hours ago
- **add validation** — XXMariamX pushed 1 commit to `cloudDatabase` • 6f3786a...b98b949 • 12 hours ago
- **add realtime functionality** — XXMariamX pushed 1 commit to `cloudDatabase` • 04d061e...6f3786a • yesterday
- **add unit test** — XXMariamX pushed 1 commit to `cloudDatabase` • e8e23ce...04d061e • 2 days ago
- **add automated script and one integration test, fix animation bugs** — XXMariamX pushed 1 commit to `cloudDatabase` • 519ebac...e8e23ce • 2 days ago
- **done FCM and animation** — XXMariamX pushed 1 commit to `cloudDatabase` • 5badde2...519ebac • 4 days ago
- **start FCM** — XXMariamX pushed 1 commit to `cloudDatabase` • 4cfbea2...5badde2 • 5 days ago
- **add pledge gift option, syncing gift status, and cloud database funct...** — XXMariamX pushed 1 commit to `cloudDatabase` • fb1a2e8...4cfbea2 • 7 days ago
- **add publish functionality** Force push — XXMariamX force pushed to `cloudDatabase` • 4f76e40...fb1a2e8 • 8 days ago
- **some fixes in local database** Force push — XXMariamX force pushed to `main` • dc441c5...0f3ee77 • 9 days ago
- **done with local database and MVC** Force push — XXMariamX force pushed to `cloudDatabase` • f8e0d7b...4f76e40 • 9 days ago
- **done with local database and MVC** Force push — XXMariamX force pushed to `cloudDatabase` • a5c5543...f8e0d7b • 9 days ago
- **start MVC and cloud db** Force push — XXMariamX force pushed to `cloudDatabase` • 7262cbd...a5c5543 • 15 days ago
- **start MVC and cloud db** Force push — XXMariamX force pushed to `cloudDatabase` • dc441c5...7262cbd • 16 days ago
- **some fixes in local database** Force push — XXMariamX force pushed to `main` • f21e70c...dc441c5 • 18 days ago
- **some fixes in local database** Force push — XXMariamX force pushed to `cloudDatabase` • f21e70c...dc441c5 • 18 days ago
- **some fixes in local database** — XXMariamX pushed 2 commits to `main` • a0c2c55...f21e70c • 18 days ago
- **add firebase authentication** — XXMariamX pushed 1 commit to `cloudDatabase` • a0c2c55...88f183c • 22 days ago
- **add more local database functionality** — XXMariamX created `cloudDatabase` • a0c2c55 • 23 days ago
- **add more local database functionality** — XXMariamX pushed 1 commit to `main` • 960dd7f...a0c2c55 • 23 days ago
- **add some ew files** — XXMariamX pushed 2 commits to `main` • 1e0f51f...960dd7f • 24 days ago
- **add ui layout and design** — XXMariamX created `main` • 1e0f51f • 29 days ago

Commits on Dec 2, 2024

some fixes in local database
XXMariamX committed 3 weeks ago — f21e70c

Commits on Nov 28, 2024

add firebase authentication
XXMariamX committed 3 weeks ago — 88f183c

Commits on Nov 27, 2024

add more local database functionality
XXMariamX committed 3 weeks ago — a0c2c55

Commits on Nov 26, 2024

add some ew files
XXMariamX committed 3 weeks ago — 960dd7f

add some local database functionality
XXMariamX committed 3 weeks ago — c8e7b6e

Commits on Nov 21, 2024

add ui layout and design
XXMariamX committed last month — 1e0f51f