

Valentine Dove

Create Dashboard, swipe views, listviews in swipe views, google style cards (UX similar to Google Now).

Description:

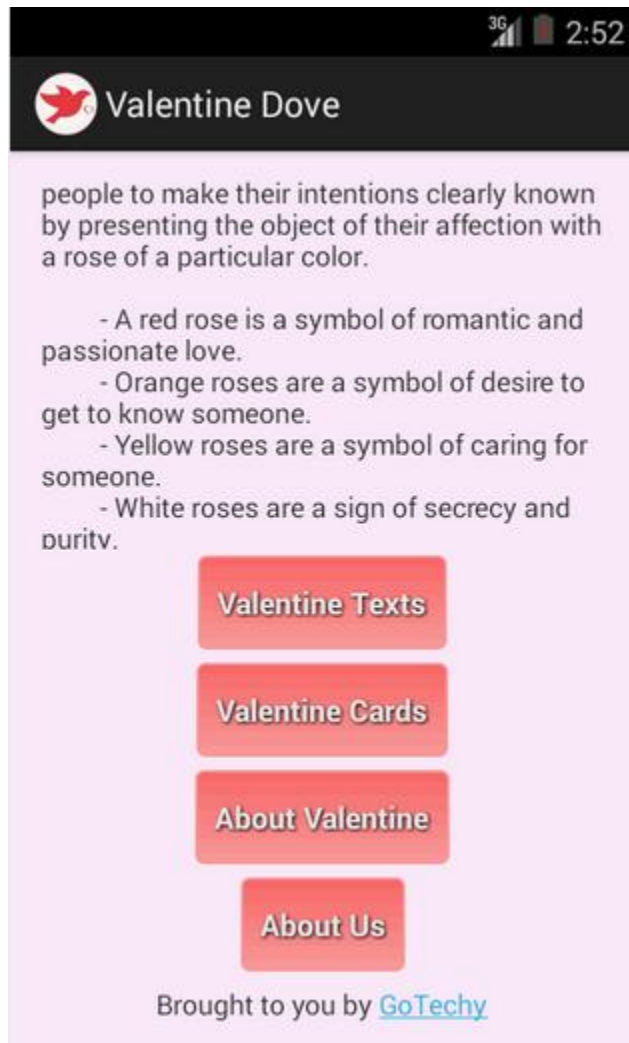
The app on valentines helps express your love and nurture the spirit of your beloved -

- Send messages and cards with single touch on your favorite social network.
- Ready to use content for each day of valentine week.
- Impress your valentine and others with the knowledge of valentine week.

Overview:

- All the messages are stored in an xml file in assets folder, this file is parsed and deserialized in pojo, these pojo are present in com.gotechy.valentinedove.bean and the code to parse and deserialize these objects from xml is present in com.gotechy.valentinedove.dao, Simple XML Serialization an open source project is used for this purpose.
- All the cards exist as images, the app is shipped with 5 cards for each day of valentine week and more cards can be downloaded from internet. An xml stores the path to each of the card and it is parsed in similar fashion as above, secondly another xml contains links where downloadable are available.
- History of each day also exists as an xml file, it is also parsed and serialized in similar fashion.
- Each of the texts and cards can be shared with friends using whichever option you have available on your android device fb messenger, whatsapp, gmail, vider etc. It is made possible by simply firing intents with appropriate actions (Action.Send) and allowing the user to choose whichever app they want to use to complete the action.

Dashboard

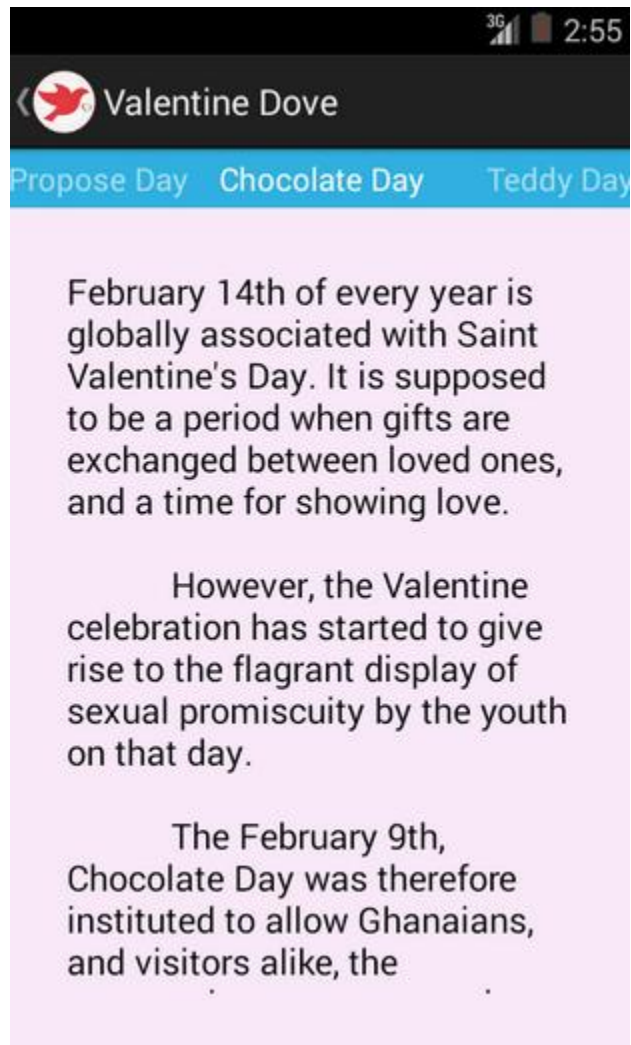


Consists of 5 views:

- 1 TextView to show the relevance of the current day of valentine week.
- 4 Buttons for navigation, respectively.

It is `com.gotechy.valentinedove.activity.HomeActivity`.

About Valentine



This activity is a simple example of swipe views with a `TextView` in each swipe tab. Left and Right swipes are used for navigation.

It is implemented by combination of fragment and adapter, on runtime each of the swipe tab in this is created and destroyed when visible and not visible, respectively. And an adapter is used to keep the count and decide which fragment should be created.

Layout is created by `ViewPager` provided in android support library, the adapter is also available in support library `FragmentPagerAdapter` and finally you just need to create a fragment with desired layout.

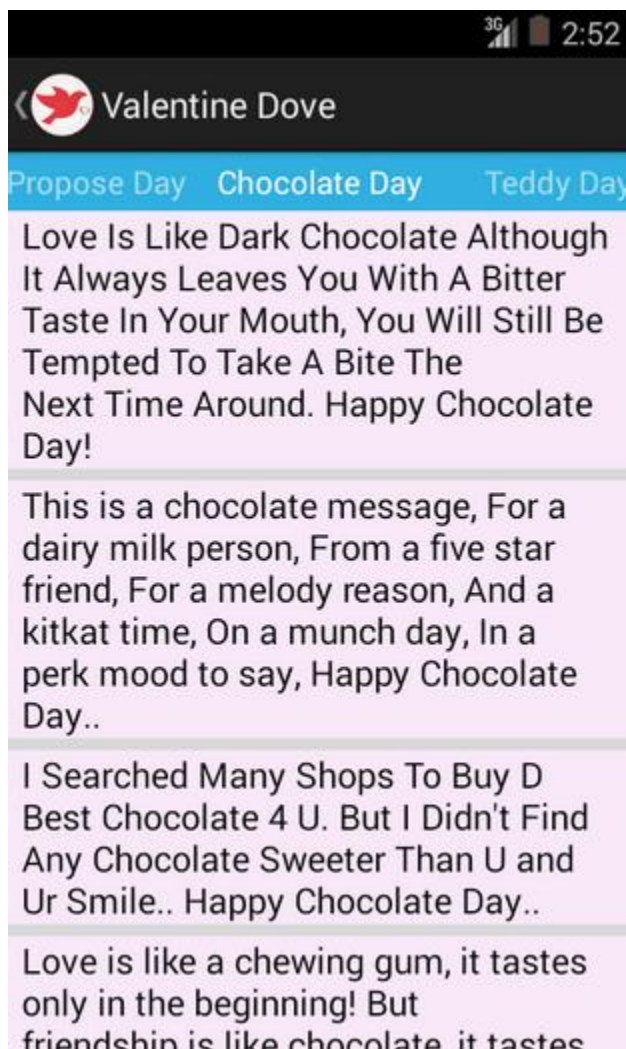
- Create a layout file, with `ViewPager`. "res/activity_collection.xml"
- Create the activity class and initialize a `FragmentPagerAdapter` to keep track of content of every swipe tab in the `onCreate()` method. "com.gotechy.activity.HistoryActivity"

- Create the FragmentPagerAdapter class. “com.gotechy.adapter.HistoryActivity.TextsCollectionPagerAdapter”

All the magic happens in com.gotechy.valentinedove.activity.HomeActivity.TextObjectFragment, where the view is inflated and text is set by calling method of DAO layer.

A detailed tutorial is available here: <http://developer.android.com/training/implementing-navigation/lateral.html>

Texts Activity



Now this where it gets quite complex, here, a listview is added in every tabs of the swipe view. The process is similar to the previous About Activity

- Create a layout file, with ViewPager. “res/activity_collection.xml”
- Create the activity class and initialize a FragmentPagerAdapter to keep track of content of every swipe tab in the onCreate() method. “com.gotechy.activity.TextsActivity”
- Create the FragmentPagerAdapter class. “com.gotechy.adapter.TextsCollectionPagerAdapter”
- Now earlier we created a fragment for each swipe tab with simple TextView, this time we have to populate the fragment with a listview, which is a 3 step process –
 - Create a layout for listview. “res/fragment_collection_list”
 - Create the adapter for this list, which is a simple ArrayAdapter provided in android.widget.ArrayAdapter and an ArrayList<String> is passed to this adapter to populate the listview. “com.gotechy.valentinedove.adapter.fragment.TextsObjectFragment”
 - Finally attach an event listener to handle a touch event and fire the Intent we talked about earlier in this listener.

Cards Activity



This activity also follows a similar approach as the previous activity, earlier we just used the `ArrayAdapter<String>` to populate our list of each swipe tab but here we would need to implement our own adapter.

`“com.gotechy.valentinedove.adapter.CardAdapter”`

Rest of the process is same as above.

By Apurve Gupta

Email: apurve@gotechy.in