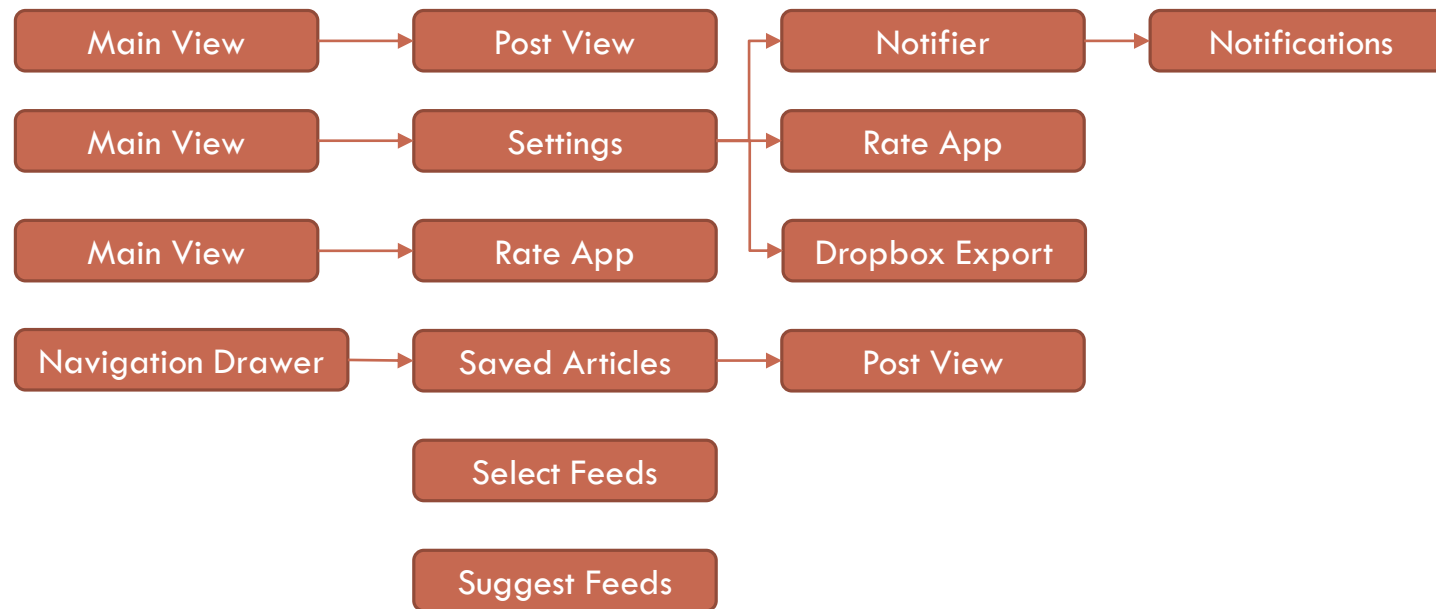


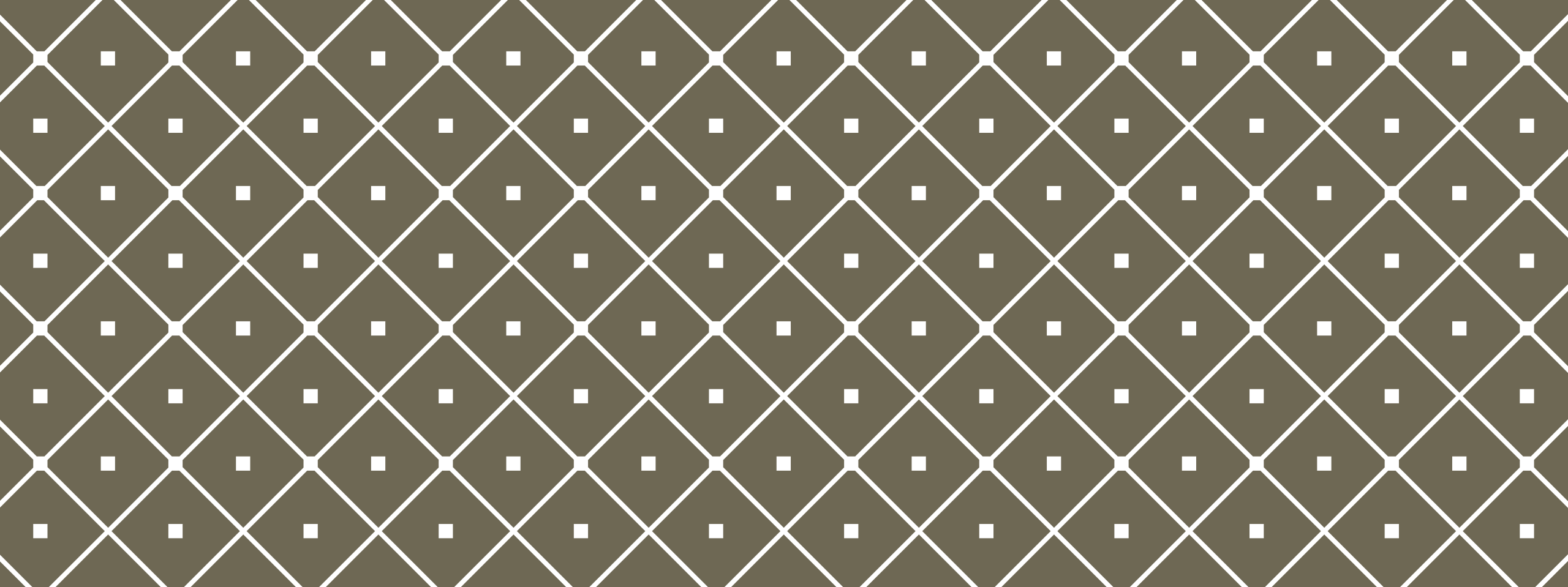


# NADGET DESIGN

Gadget News Reader App

# USER FLOW





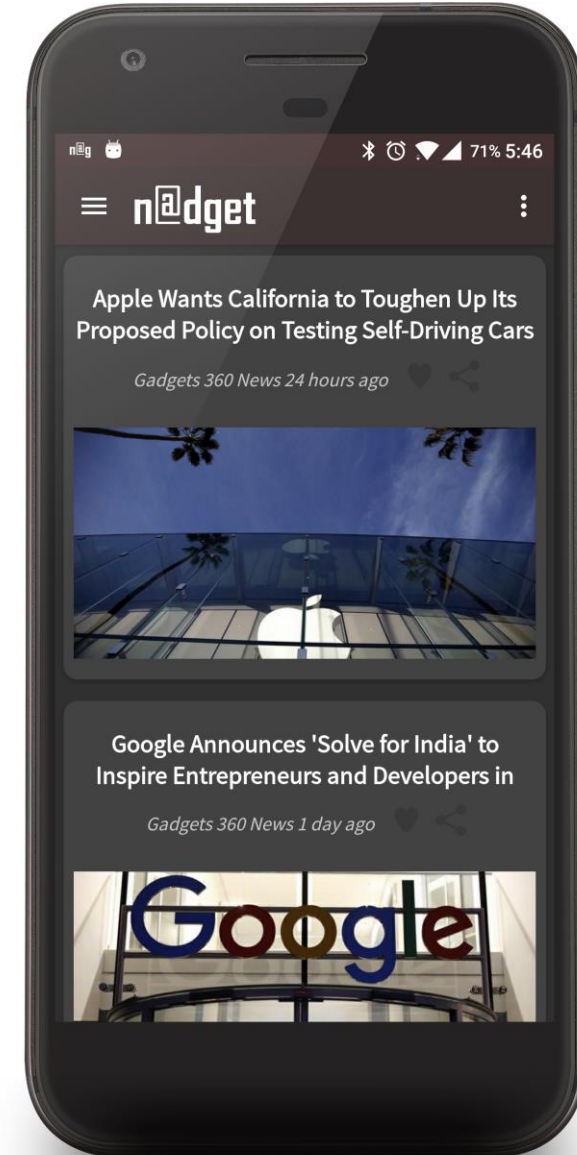
KEY CLASSES

# NADGET MAIN

Main class that shows the cards containing the posts also displays the drawer and a menu with shortcuts for settings and to change to a dark theme

Key components used:

- RecyclerView
- Card Layout
- Navigation View
- Fragment
- RecyclerView Adapter
- RecyclerView On Scroll Listener
- RSS Parser based on SAX Parser
- Notification Creator

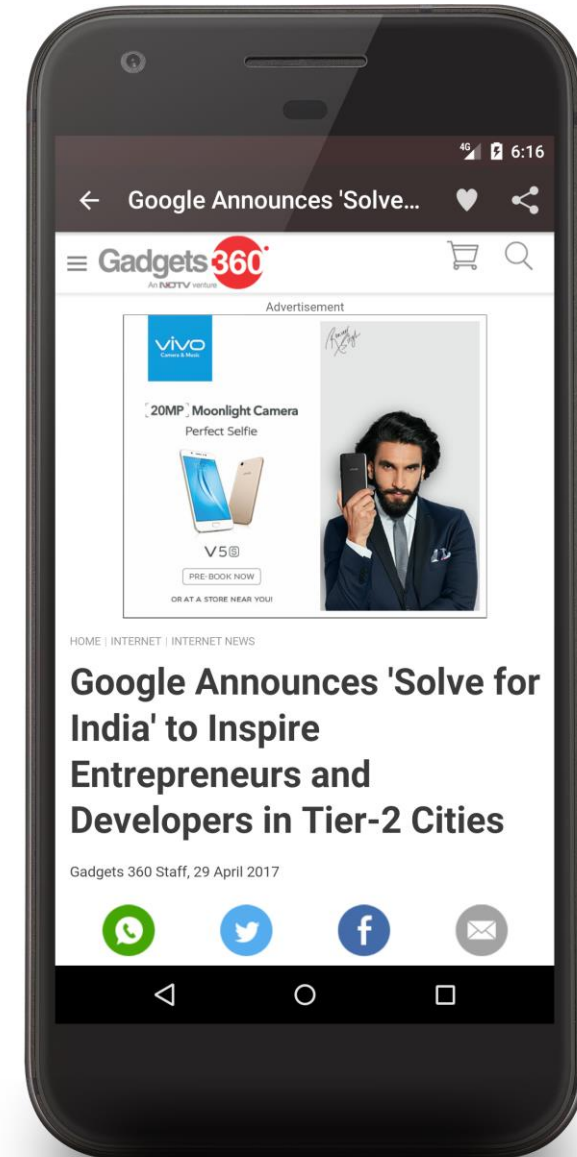


# POST VIEW

Displays the selected post in a WebView. Allows for sharing the URL and saving it for reading later

Key components used:

- Web View
- Shared Preferences for saving the URL



# SAVED FEEDS

Simple class that lists the articles saved for later reading. Long click on an article removes it

Key components used:

- List View
- Array Adapter to create list items

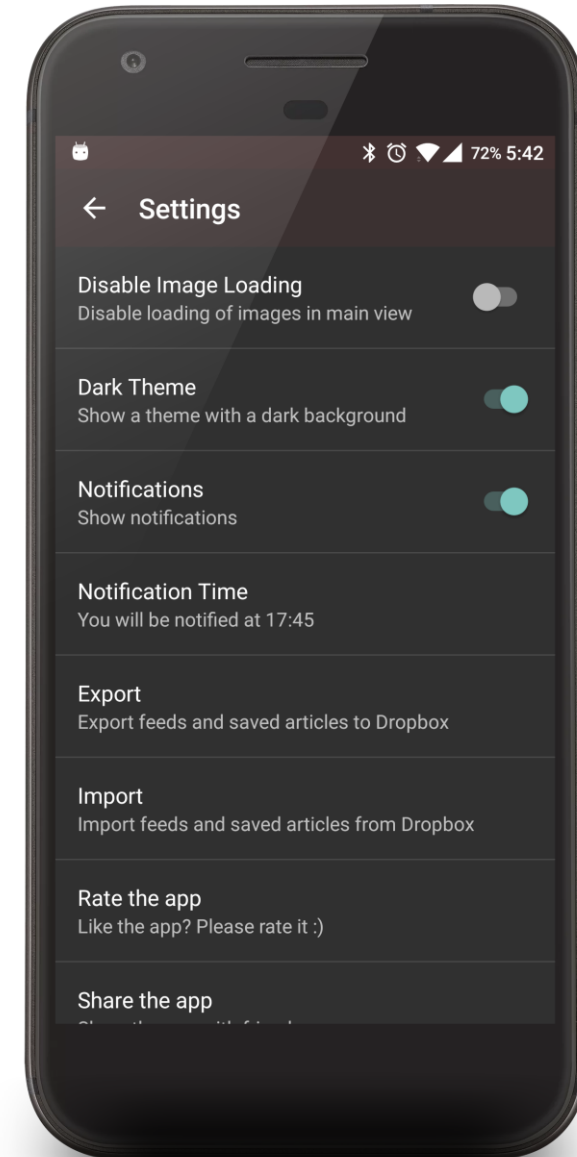


# NADGET SETTINGS

Settings class that has options to disable image loading, set a dark theme, show notifications, export/import feed list from Dropbox, rate and share the app

Key components used:

- Preference Activity
- Shared Preferences
- Async Task to export/import from Dropbox
- Dropbox API
- Time Picker Dialog for notifications

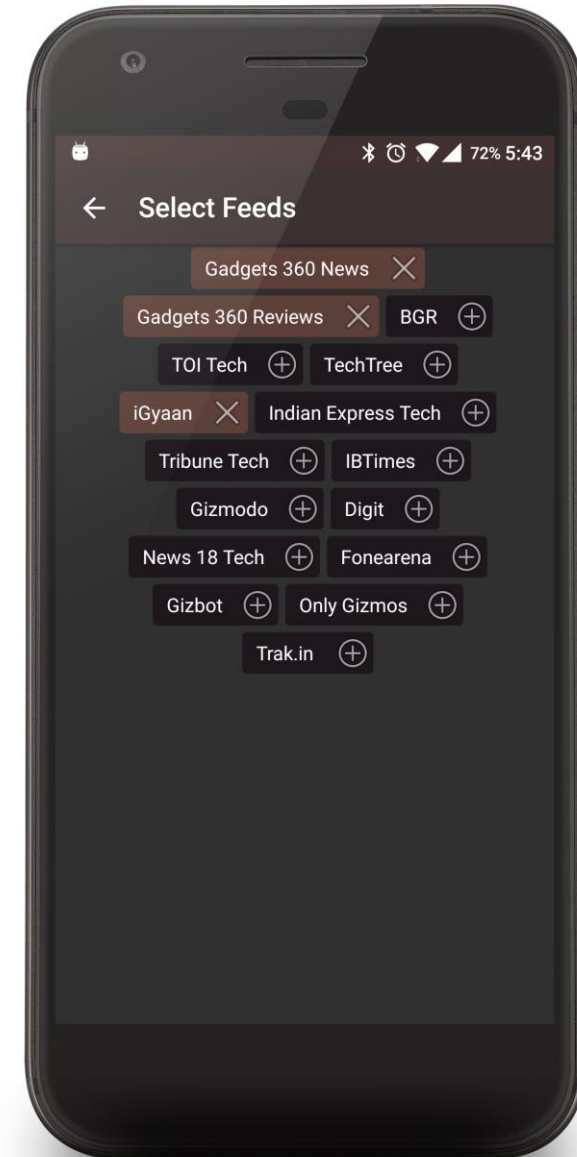


# FEED SELECTOR

Uses Anton's Collection Picker component to select feeds to be displayed

Key components used:

- `com.anton46.collectionitempicker.CollectionPicker`





# MAIN FRAGMENT

Fragment that displays the content in the main class Nadget Main. It uses the RecyclerView Adapter to load the content and Swipe Refresh Layout to refresh on pull

Key components used:

- Swipe Refresh Layout
- RecyclerView Adapter
- RecyclerView On Scroll Listener

# MAIN VIEW ADAPTER

Loads the content in the fragment that is used to display in the main screen

Key components used:

- RecyclerView Holder
- `com.squareup.picasso` for image loading and manipulation
- Hash Map to load feeds

# ENDLESS RECYCLE VIEW SCROLL LISTENER

This class handles the scrolling of the main Recycle View

Class courtesy: Nathan Esquenazi

<https://gist.github.com/nesquena/d09dc68ff07e845cc622>

Key components used:

- Recycler View On Scroll Listener

# EXTENDED RSS PARSER

Class to parse RSS feeds invoked from Nadget Main on an Async Task

Key components used:

- SAX Parser
- Image Extractor class to parse and extract images from posts

# IMAGE EXTRACTOR & IMAGE URL PARSER

Image URL Parser runs as an Async Task and calls Image Extractor to extract images from posts

Image Extractor is a class courtesy of Gavin Bisesi (Daenyth) <https://github.com/Daenyth>. Given a URL to a web page, the class will extract a suitable image from that page following a method similar to Google+, as described <http://webmasters.stackexchange.com/questions/25581/how-does-google-plus-select-an-image-from-a-shared-link>

Key components used:

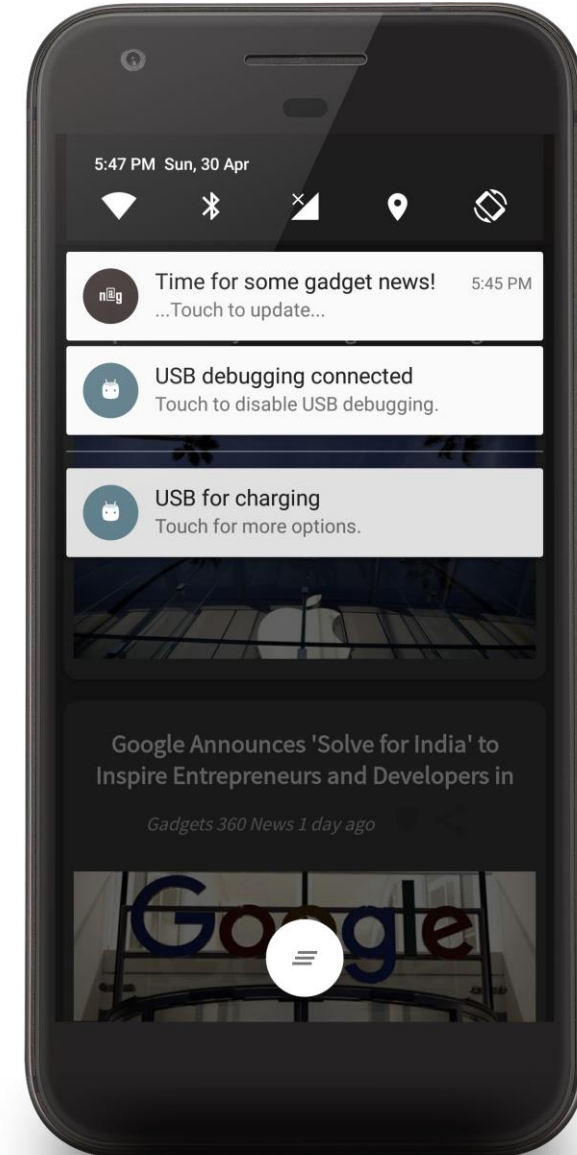
- Jsoup

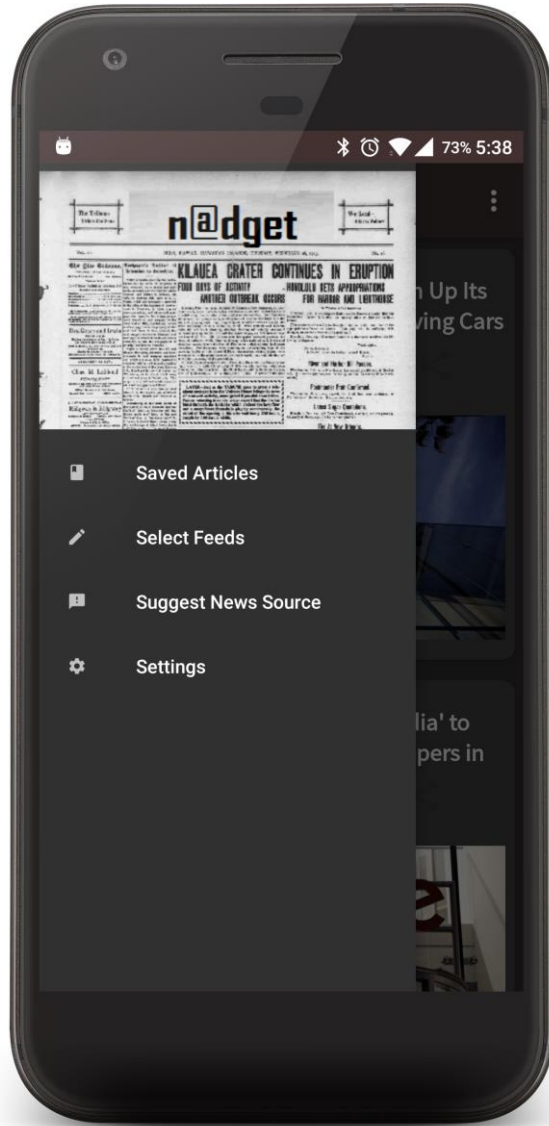
# NOTIFIER & NOTIFICATION RECEIVER

Notifier sets up the notification at the time selected in settings. Notification Receiver constructs and displays the notification at the said time.

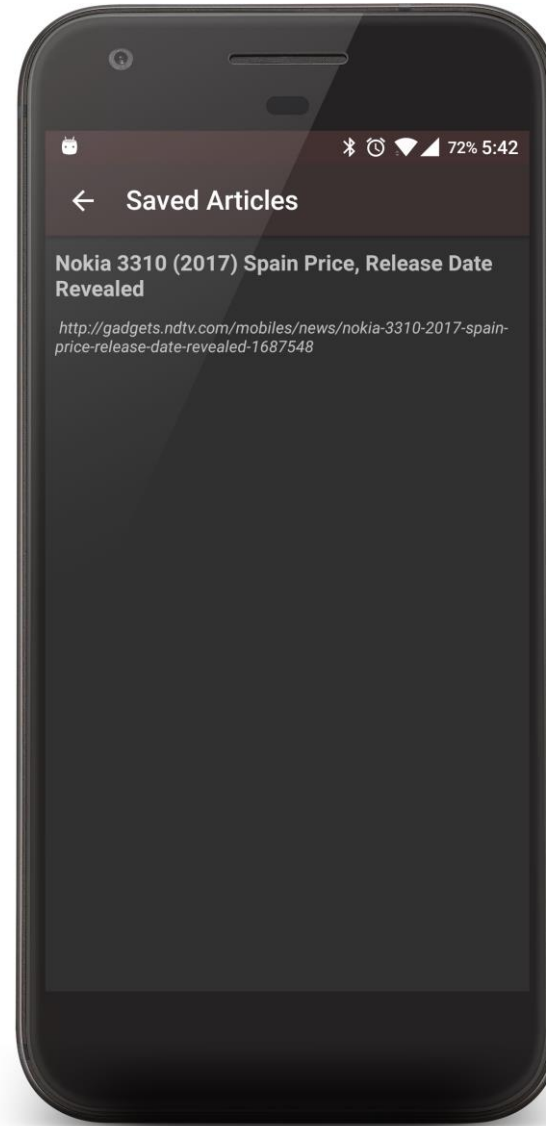
Key components used:

- Shared Preferences
  - Alarm Manager
  - Pending Intent
  - Calendar
- 
- Broadcast Receiver
  - Notification Compat Builder
  - Task Stack Builder
  - Notification Manager

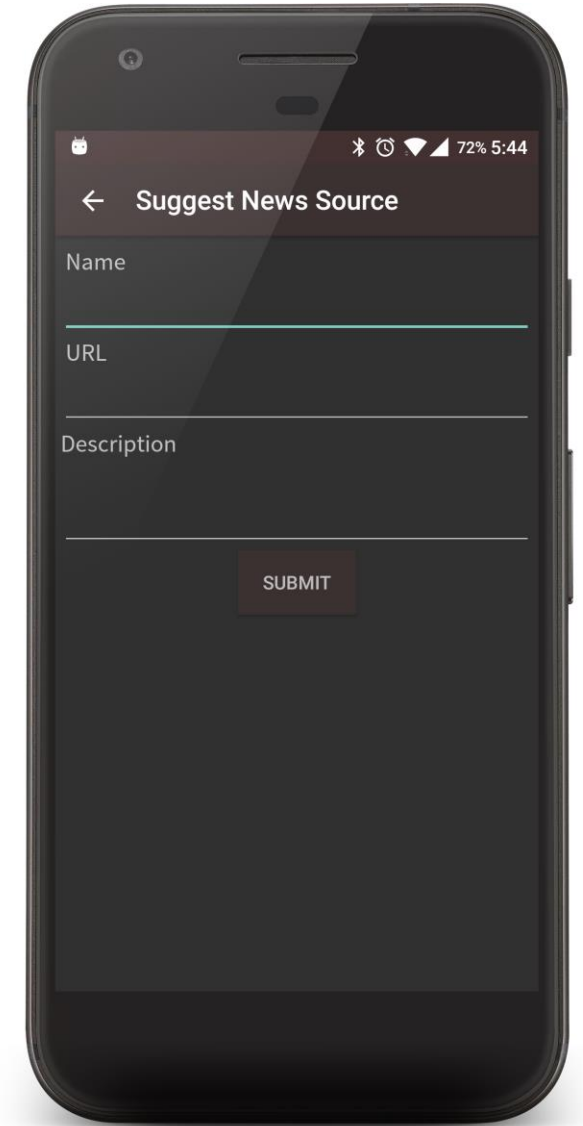




Drawer



Saved Articles



Suggest Feeds

DANESH HUSSAIN ZAKI

[HTTP://BLOG.PLEB.IN](http://blog.pleb.in)

