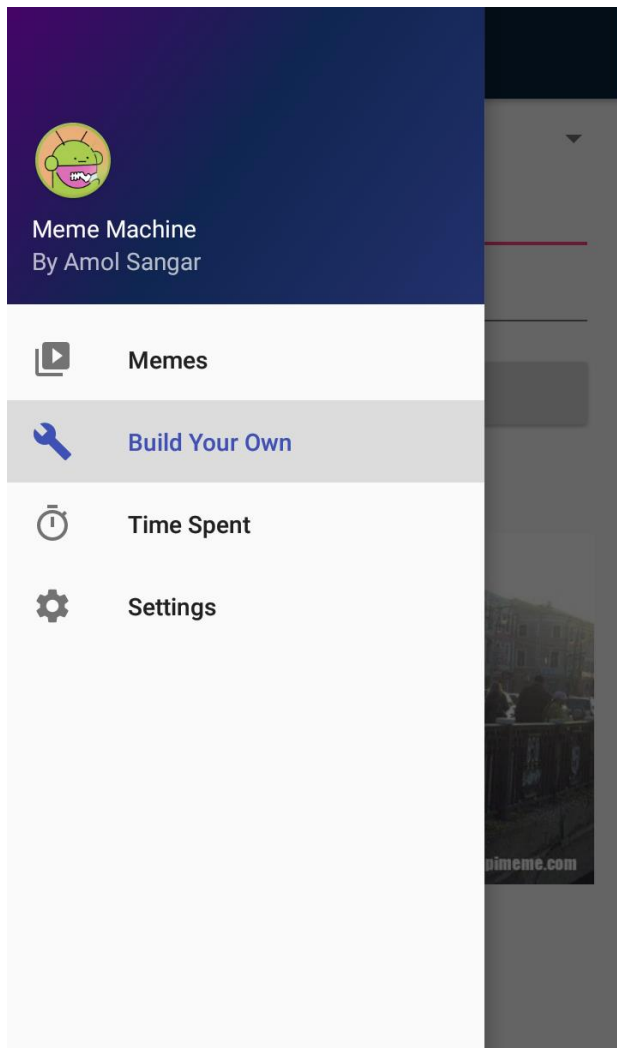


MEME MACHINE USER GUIDE

1. Navigation

The user can move between pages by using the navigation drawer which can be accessed by clicking the three horizontal line icon on top left of the screen.



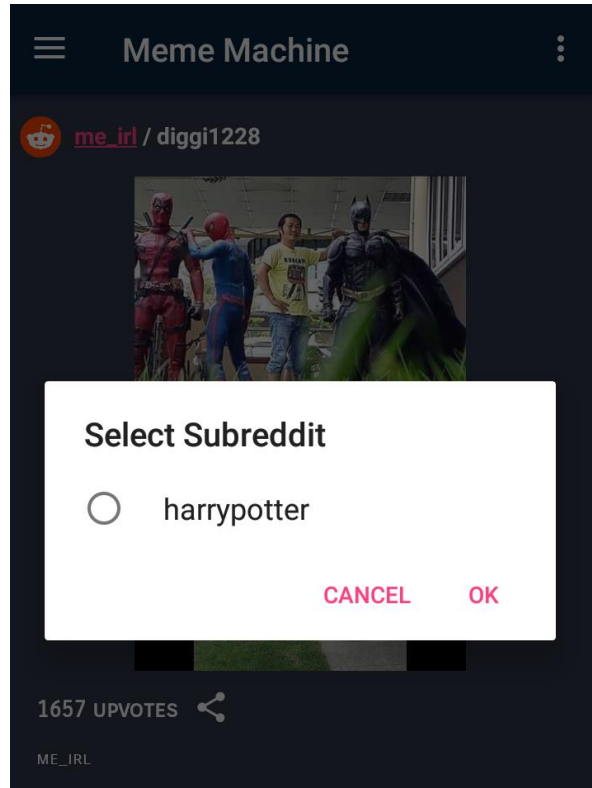
Clicking on each of the option opens a new fragment aka page, which in turn loads up the necessary items.

2. Meme Page

- Here you can view memes and go to the respective Reddit page by clicking the link on top of the post.
- Besides the upvotes count, you can use the share button to share the image on other apps.
- At the bottom of the page, there's a scroll more button to load more images.



- The 3 vertical dots on the top right of the page allows the users to select subreddit of their choice. Subreddit names can be added in the Source section of the Settings page.



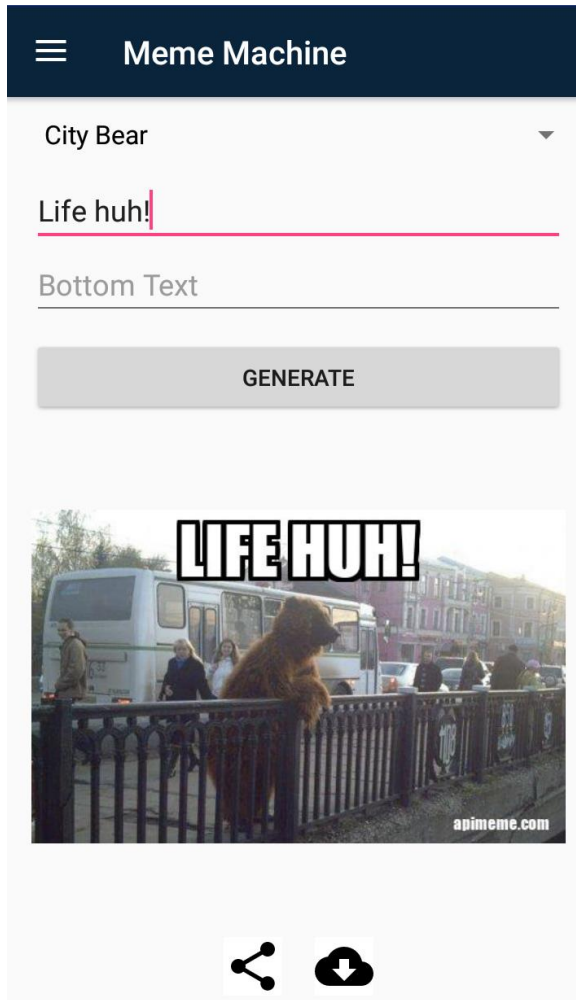
The Meme Page works by pulling all its posts from Reddit API. The share button shares the image by first storing it in a cache on the system and then uses ACTION_SEND Intent to open the share drawer.

The select subreddit uses Android Menu and AlertDialog to display the list for the user to select. On selecting a value from AlertDialog, the page is refreshed with the new value i.e. it shows posts from the selected subreddit.

3. Build Your Own Page

On this page, you can create your own memes. You have to first select a template and then you can add top and bottom texts. These top and bottom texts are optional fields.

At the bottom of the page, you will find Share and Download button.



The screenshot shows the 'Meme Machine' app interface. At the top, there is a dark blue header with a hamburger menu icon and the text 'Meme Machine'. Below the header, there is a dropdown menu currently showing 'City Bear'. Underneath the dropdown, there is a text input field containing 'Life huh!' with a red underline. Below the text input field, there is a label 'Bottom Text' followed by an empty text input field. A grey button labeled 'GENERATE' is positioned below the text input fields. Below the 'GENERATE' button, there is a preview of the generated meme. The meme features a brown bear standing on a black metal fence, looking towards a white bus and a group of people in the background. The text 'LIFE HUH!' is overlaid in large, bold, white letters with a black outline. In the bottom right corner of the meme preview, the text 'apimeme.com' is visible. At the bottom of the app interface, there are two icons: a share icon and a download icon.

This page utilizes the apimeme.com API to generate memes using the text provided by the user. The dropdown is set to a list of template names in the code using Android Spinner.

4. Time Spent Page

Here, the user can see the time spent on the app.



This page uses the `USAGE_STATS_SERVICE` in Android to fetch the usage details. The details are aggregated and shown to user according to 3 time windows i.e. today, past 7 days and past one month.

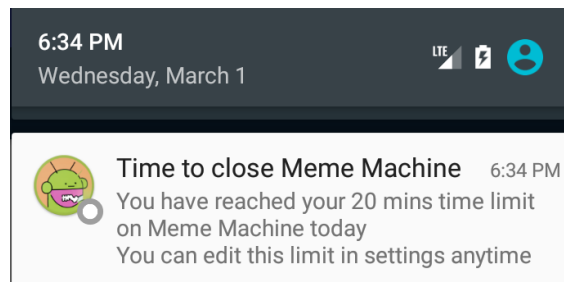
5. Settings Page

The settings page is built with Preferences in Android. Preferences are used to keep track of application and user preferences.

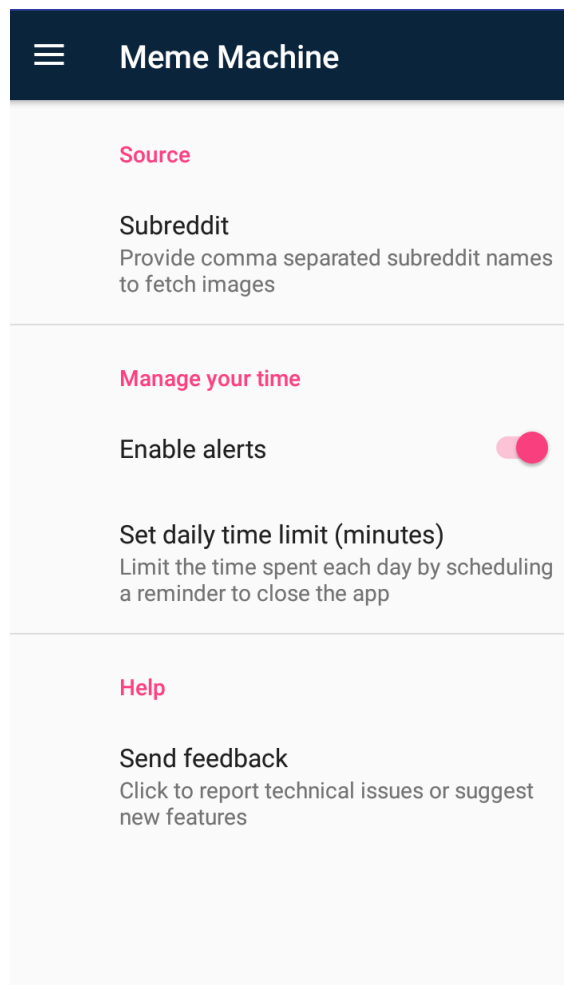
- Settings Page allows the user to add subreddit sources as comma separated values like –

harrypotter,houseofthedragon,starwars

- The user can also enable/disable notifications and set daily time limit for notifications in minutes.



- The Help category allow users to send feedback via email. Clicking on it will open the email application installed on the device using email Intent in Android.



6. References

- Custom RecyclerView in Android

<https://www.geeksforgeeks.org/how-to-build-an-instagram-like-custom-recyclerview-in-android/>

<https://www.youtube.com/watch?v=RCSH7U-Hcew>

- Navigation Drawer

<https://medium.com/android-beginners/getting-started-with-navigation-drawer-in-android-material-design-382ab03b97dd>

- Dropdown Menu

<https://code.tutsplus.com/tutorials/how-to-add-a-dropdown-menu-in-android-studio--cms-37860>

<https://www.youtube.com/watch?v=Es5UFII4oak>

<https://learningprogramming.net/mobile/android/create-dynamically-popup-menu-in-android/>

- Settings

<https://developer.android.com/develop/ui/views/components/settings>

<https://developer.android.com/develop/ui/views/components/settings/customize-your-settings>

- Time Tracking

<https://medium.com/@afrinsulthana/building-an-app-usage-tracker-in-android-fe79e959ab26>

- Image Saving

<https://stackoverflow.com/questions/17674634/saving-and-reading-bitmaps-images-from-internal-memory-in-android>

- Spinner dropdown

<https://www.digitalocean.com/community/tutorials/android-spinner-dropdown-list>

- Saving Image Locally

<https://stackoverflow.com/questions/32799353/saving-image-from-url-using-picasso>

- Share Image

<https://stackoverflow.com/questions/13970100/android-share-image-in-imageview-without-saving-in-sd-card>

- Keyboard hide when clicked outside

<https://stackoverflow.com/questions/36889141/hide-android-soft-keyboard-in-fragment-when-clicked-on-outside>

- Extra

<https://stackoverflow.com/questions/36100187/how-to-start-fragment-from-an-activity>

<https://icon.kitchen/>

<https://stackoverflow.com/questions/6650398/android-imageview-zoom-in-and-zoom-out>