

## Daily Gazatte: News Aggregator App

### Introduction

Daily Gazatte is a mobile application designed to provide users with a clean and efficient way to browse news articles. The app features a home screen with a scrollable list of news items and a dedicated detail page for reading full articles. The design prioritizes readability and user experience with a modern, high-contrast color palette and intuitive navigation.

### Key Features

- **News List View:** The main screen displays a list of news items, each with a title, a brief summary, and an image. It's built using RecyclerView, which efficiently handles long lists of data.
- **Search and Filter:** A SearchView and a dedicated filter button are integrated into the main screen's top section. This allows users to search for specific news articles and apply filters to narrow down results.
- **Article Detail View:** Tapping on a news item takes the user to a detail page. This page shows the full title, image, publication date, and the complete article content. This is a ScrollView that allows for a long article to be read easily.
- **Interactive Header:** The article detail page includes a custom header with three interactive icons:
- **Back Button:** Navigates the user back to the main news list.
- **Share Icon:** Opens the system's share sheet, allowing the user to share the article's link and title with other apps.
- **Bookmark Icon:** A placeholder feature that, when implemented, will allow users to save articles for later reading.

### Technical Components

- **Layouts:** The app uses XML layouts with ConstraintLayout, LinearLayout, and ScrollView.
- ConstraintLayout is used for the main screen to arrange the RecyclerView, SearchView, and buttons.
- LinearLayout is used to create the top action bar on the detail page and to organize the content vertically.
- ScrollView is used on the detail page to enable scrolling for lengthy articles.
- **UI Components:** The UI is built using several standard Android components:
- **TextView:** For displaying titles, dates, and article content.
- **ImageView:** For displaying article images and the interactive icons.

- **ImageButton:** For the back, share, and bookmark icons.
- **RecyclerView:** For displaying the list of news articles efficiently.
- **SearchView:** A widget for user input to search for news.
- **MaterialButton:** A styled button for the filter functionality.
- **Styling & Color Palette:** The app uses a clean, two-tone color scheme with a prominent dark blue (#1C2E46) for the app bar and a light gray (#F9F9F9) for the backgrounds. A teal accent color (#4DB6AC) is used for buttons to provide visual emphasis and a cohesive design language.

## OUTPUTS

