

# Quote of the Day App ~ Project Report

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## 1. Introduction

The "Quote of the Day" app is a motivational Android application designed to provide users with random inspirational quotes each time they press the "New Quote" button. The application allows users to save their favourite quotes for later viewing and share quotes with others through various apps. This project aims to enhance user motivation while providing a seamless user experience with a visually appealing interface.

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## 2. Technology Stack and Platform Used

- **Platform:** Android Studio
  - **Programming Language:** Java
  - **Layout Design:** XML
  - **Data Storage:** SharedPreferences (for saving quotes)
  - **UI/UX Design:** Custom fonts, colour schemes, and responsive layouts
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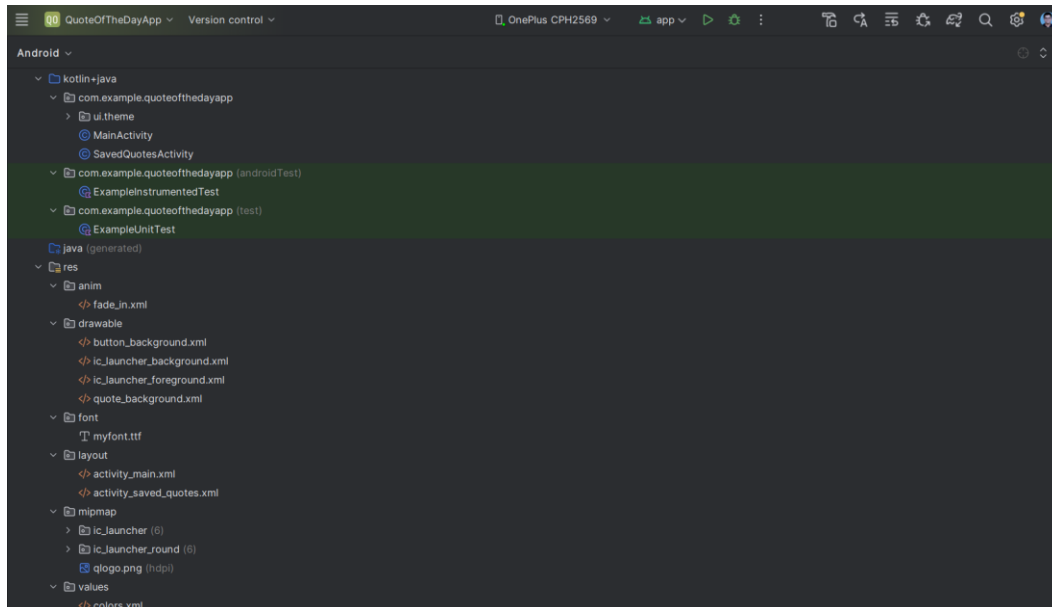
## 3. Project Structure

The project consists of the following primary components:

- **MainActivity.java:** Handles the display of random quotes and interaction with the "New Quote," "Save Quote," and "Share Quote" buttons.
- **SavedQuotesActivity.java:** Displays the list of saved quotes.
- **activity\_main.xml:** UI layout for the main screen.
- **activity\_saved\_quotes.xml:** UI layout for viewing saved quotes.
- **Custom Font (myfont.ttf):** Applied to all texts for consistent typography.

- **App Icon:** Custom logo placed under the mipmap folder.
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## Project Structure:

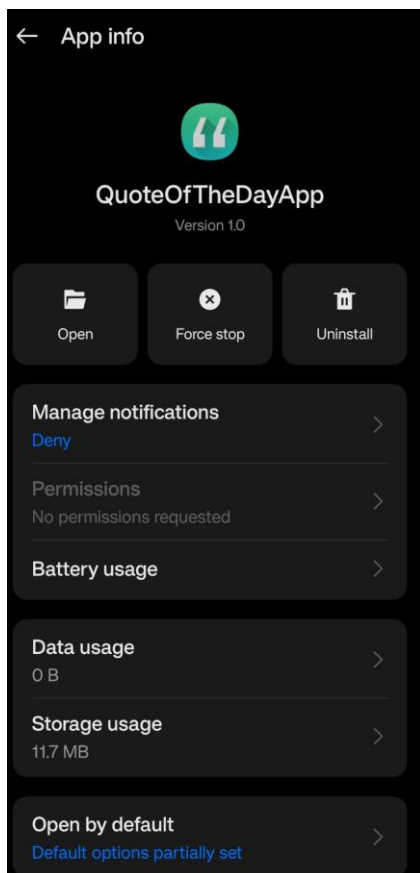


## 4. Features and Implementations

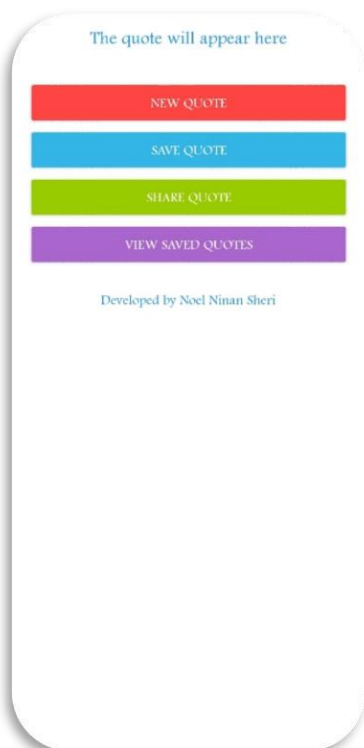
### 4.1. Random Quote Generation

- **Feature:** Users can generate a random quote by clicking the "New Quote" button.
  - **Implementation:** A list of predefined quotes is stored in the MainActivity.java. Each click randomly selects and displays a quote.
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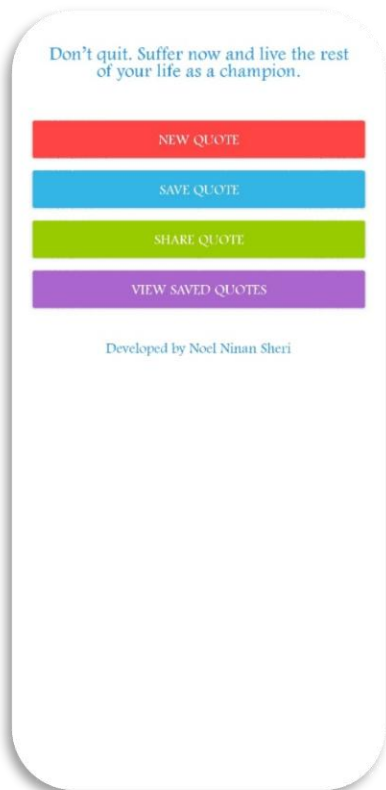
This is the App Info as seen on the Android Device:



The Landing page looks like:



New Quotes are shown in rotation at random from a collection of 20 quotes:

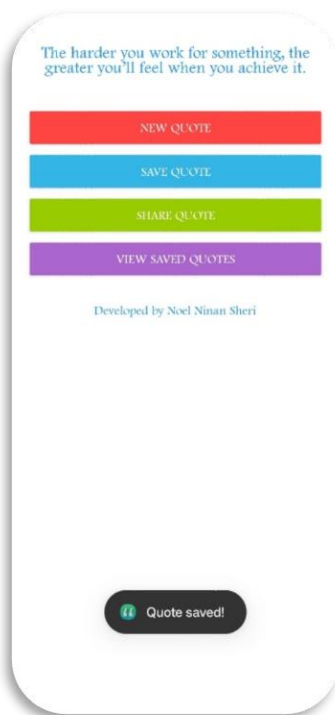


Shuffling Quotes:

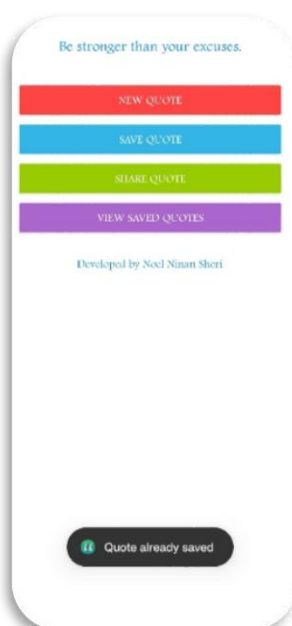


## 4.2. Saving Quotes

- **Feature:** Users can save their favourite quotes.
- **Implementation:** Saved quotes are stored in SharedPreferences for persistence.
- **UI:** "Save Quote" button in blue for visual distinction.



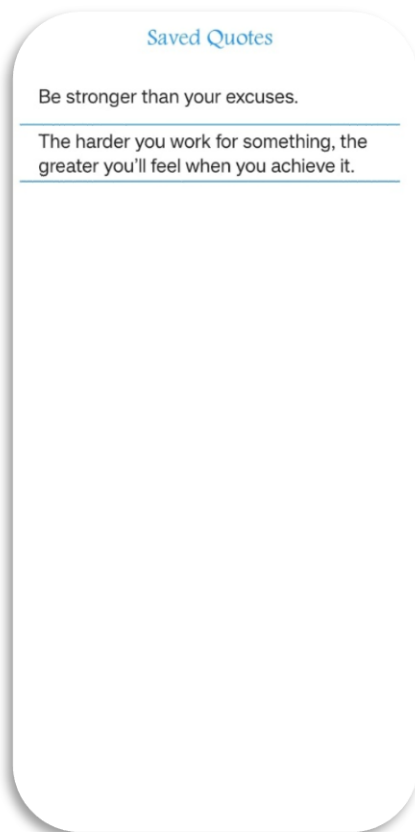
If in case, there is an attempt made to save an already saved quote:



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### 4.3. Viewing Saved Quotes

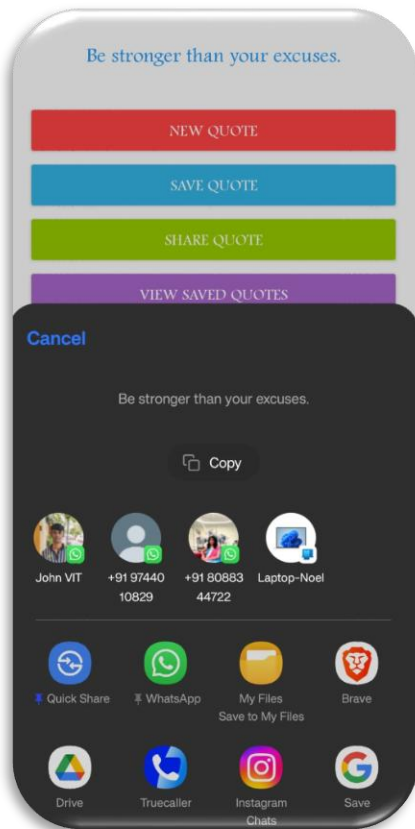
- **Feature:** Users can view all previously saved quotes.
- **Implementation:** SavedQuotesActivity.java retrieves saved quotes and displays them in a ListView.
- **UI:** "View Saved Quotes" button in purple.



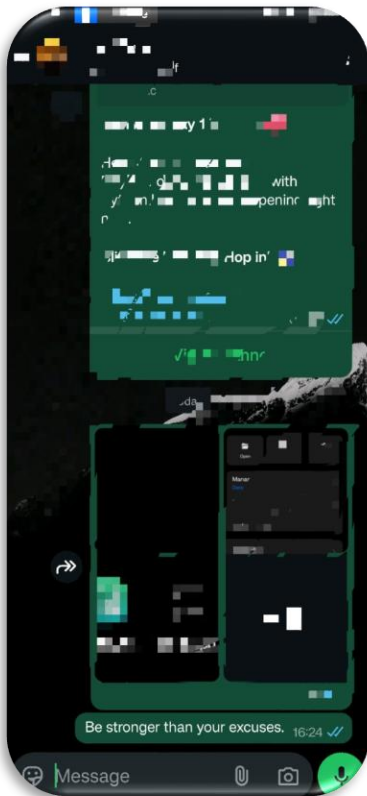
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### 4.4. Sharing Quotes

- **Feature:** Users can share quotes with other apps (e.g., WhatsApp, Gmail).
- **Implementation:** Intent-based sharing through Android's built-in Intent.ACTION\_SEND.
- **UI:** "Share Quote" button in green.



Sending via Whatsapp:



## 4.5. UI/UX Enhancements

- **Custom Font:** Applied using myfont.ttf to enhance readability.
  - **Color-coded Buttons:**
    - New Quote: Red
    - Save Quote: Blue
    - Share Quote: Green
    - View Saved Quotes: Purple
  - **App Logo:** Custom logo implemented under the mipmap folder.
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## 5. Code Explanation

### 5.1. Random Quote Generation Code Snippet

```
String[] quotes = {"Believe in yourself.", "Stay positive.", "Work hard,  
dream big."};
```

```
Random random = new Random();
```

```
quoteTextView.setText(quotes[random.nextInt(quotes.length)]);
```

*Explanation:* This snippet selects and displays a random quote from the quotes array.

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### 5.2. Saving Quotes Code Snippet

```
SharedPreferences prefs = getSharedPreferences("Quotes",  
MODE_PRIVATE);
```

```
SharedPreferences.Editor editor = prefs.edit();
```

```
editor.putString("SavedQuote", quoteTextView.getText().toString());
```

```
editor.apply();
```

*Explanation:* Saves the current quote to SharedPreferences.

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### 5.3. Viewing Saved Quotes Code Snippet

```
SharedPreferences prefs = getSharedPreferences("Quotes",  
MODE_PRIVATE);  
  
String savedQuote = prefs.getString("SavedQuote", "No saved  
quotes.");  
  
savedQuotesTextView.setText(savedQuote);
```

*Explanation:* Retrieves and displays saved quotes.

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### 5.4. Sharing Quotes Code Snippet

```
Intent shareIntent = new Intent(Intent.ACTION_SEND);  
  
shareIntent.setType("text/plain");  
  
shareIntent.putExtra(Intent.EXTRA_TEXT,  
quoteTextView.getText().toString());  
  
startActivity(Intent.createChooser(shareIntent, "Share Quote via"));
```

*Explanation:* Opens sharing options for the user to select an app.

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## 6. Demonstration Explanation

1. Launch the app to see a random quote displayed.
  2. Press "New Quote" to generate another random quote.
  3. Click "Save Quote" to store the current quote.
  4. Navigate to "View Saved Quotes" to see the saved list.
  5. Use "Share Quote" to send the quote via other apps.
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## 7. Conclusion

The "Quote of the Day" app successfully delivers an engaging and user-friendly platform for daily motivation. With features like

random quote generation, saving, sharing, and an intuitive UI, it ensures a positive user experience.

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## **8. Future Enhancements**

- Add quote categories.
- Implement quote-of-the-day notifications.
- Include author names for each quote.