DAILY INFORMATION APP

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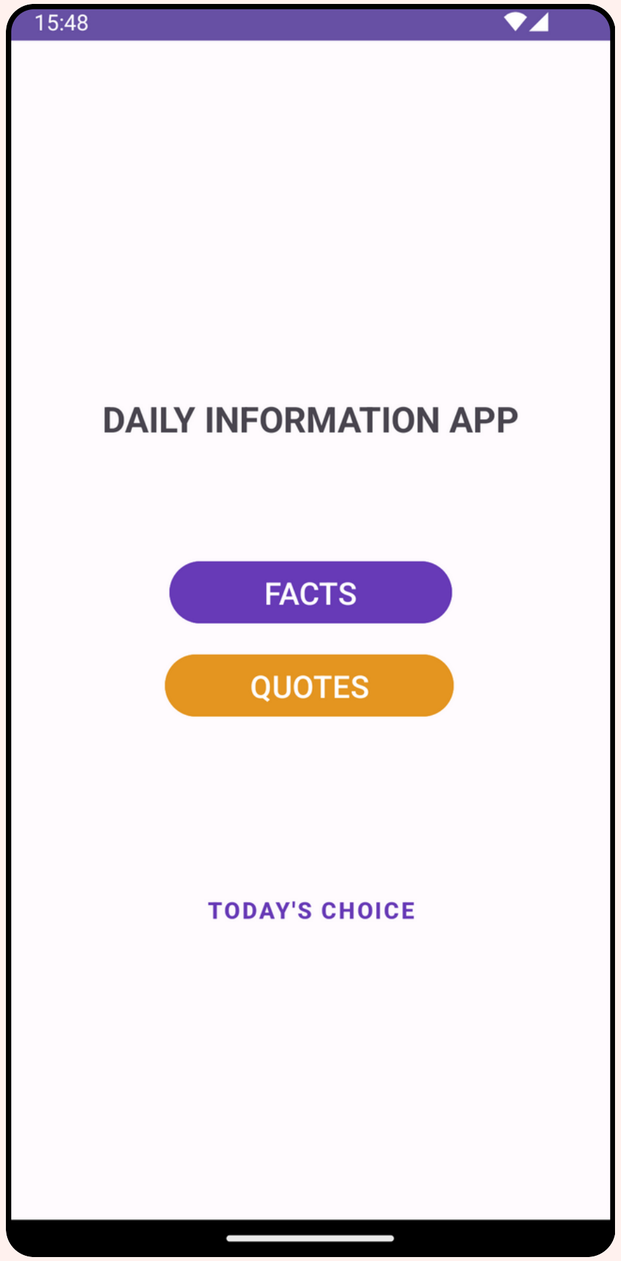
PRODUCT DETAILS AND CONCEPT

Used Technologies

- **Development Environment:** The application was created in the Android Studio development environment.
- **Programming Language:** Java was preferred as the basic programming language of the application.
- **Database Operations:** The application uses the SQLite database to store and manage user data. There is a SQLite library available as part of the Android SDK to interact with the SQLite database in Android Studio.

Concept

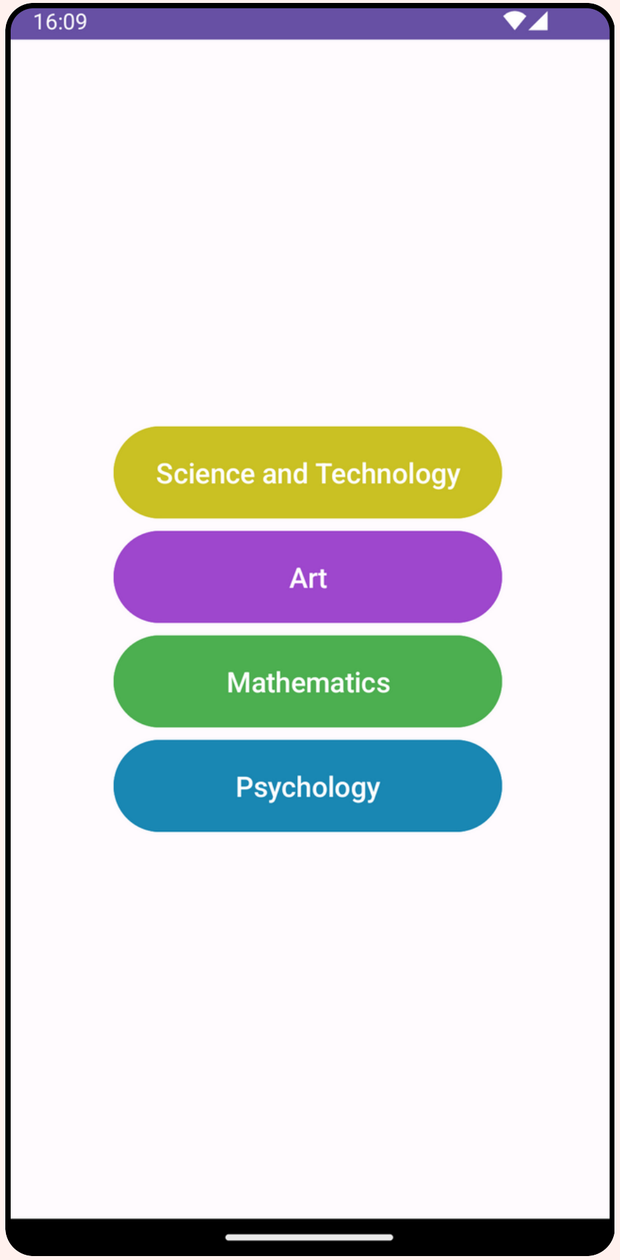
- The application provides the user with content from either the "facts" or "quotes" category every day. **The user can access content from only one category per day.** The purpose of presenting only one piece of content per day is to prevent the user from overwhelming the application at once and to ensure continuity. Additionally, it is believed that presenting one piece of content per day allows for better digestion and appreciation of the material.



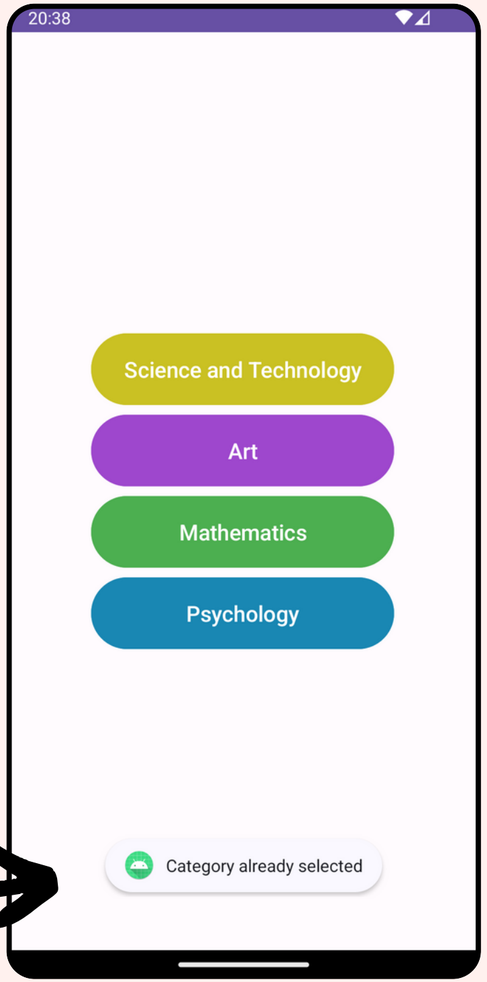
DESIGN - MAIN PAGE

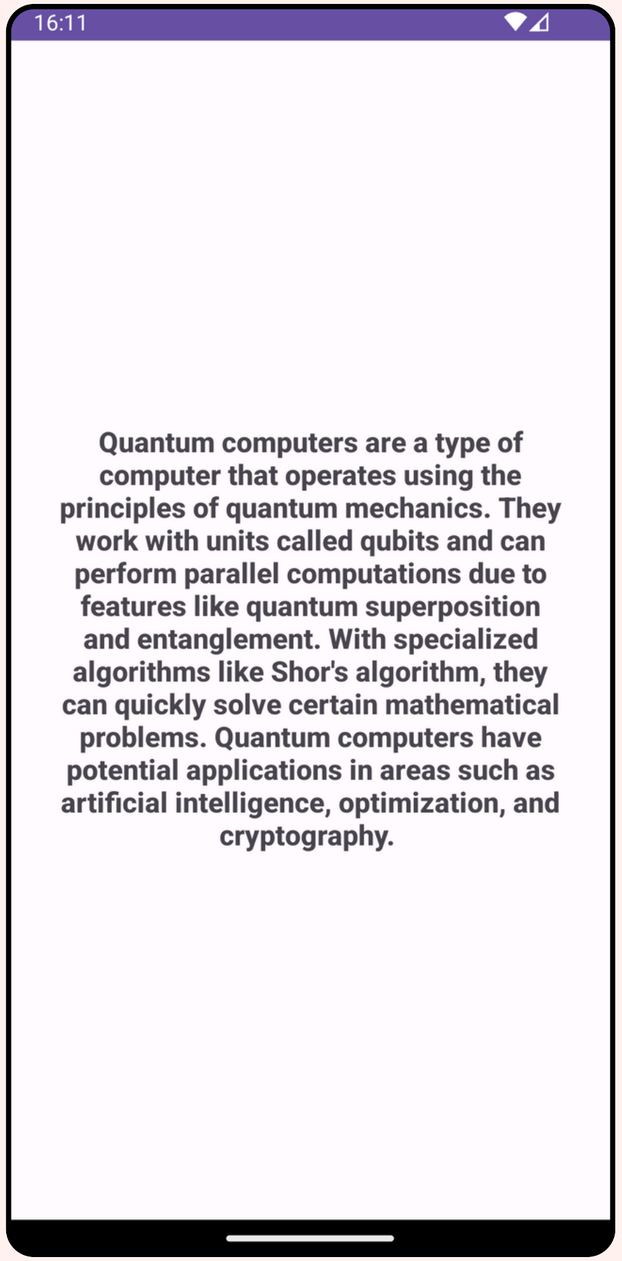
- **Facts** button redirects the user to the page containing the categories of facts.
- **Quotes** button redirects the user to the page shows today's quote.
- **Today's Choice** button shows today's fact or quote related to the user's choice.

DESIGN - FACTS PAGE



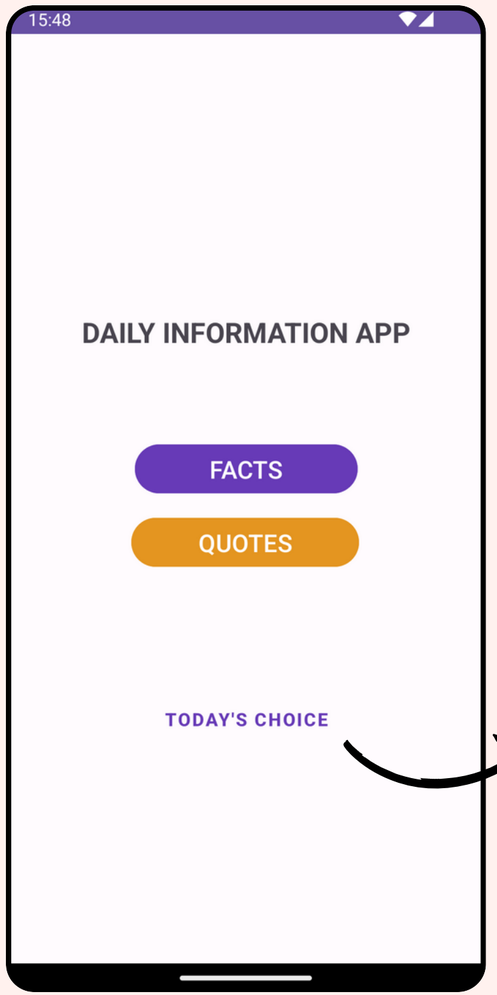
- Users have the opportunity to access information from **only one category within a day**. If a user has already made a category selection for the current day, they cannot choose additional categories and will encounter a pop-up warning message.



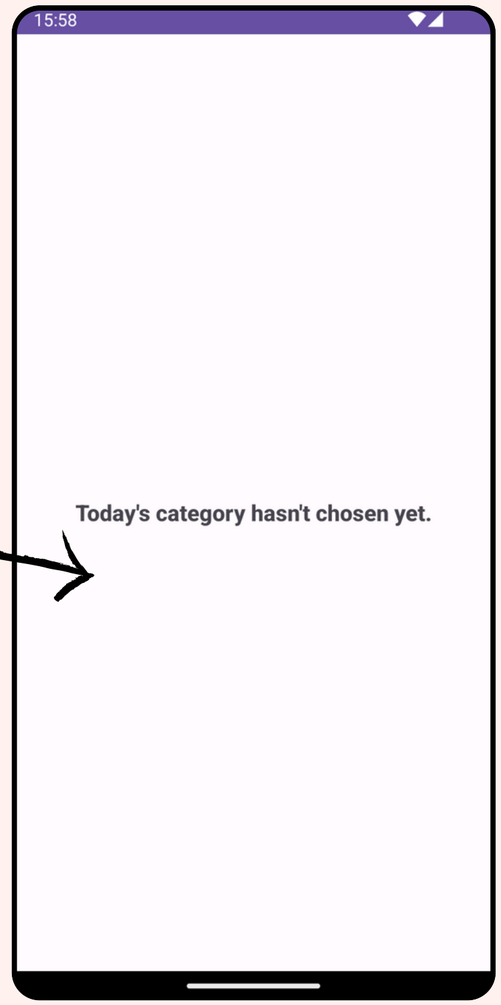


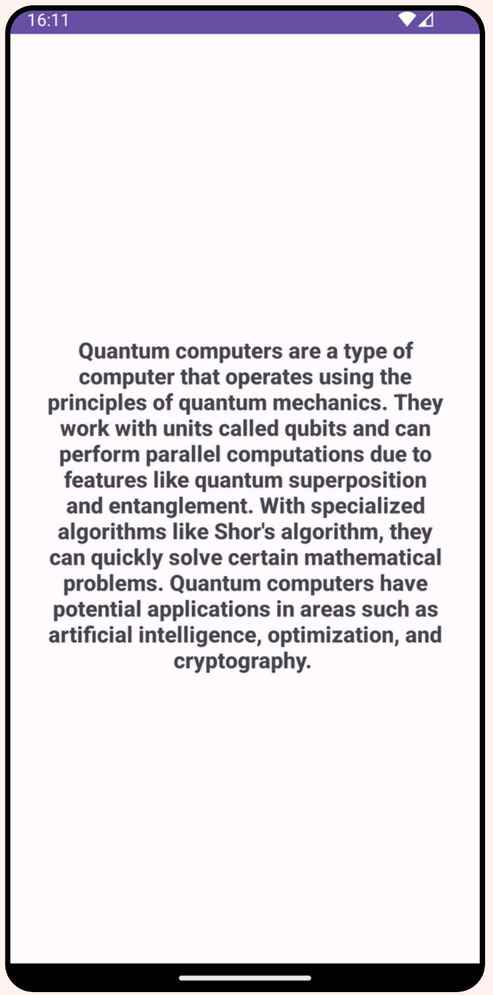
DESIGN-INFO VIEW

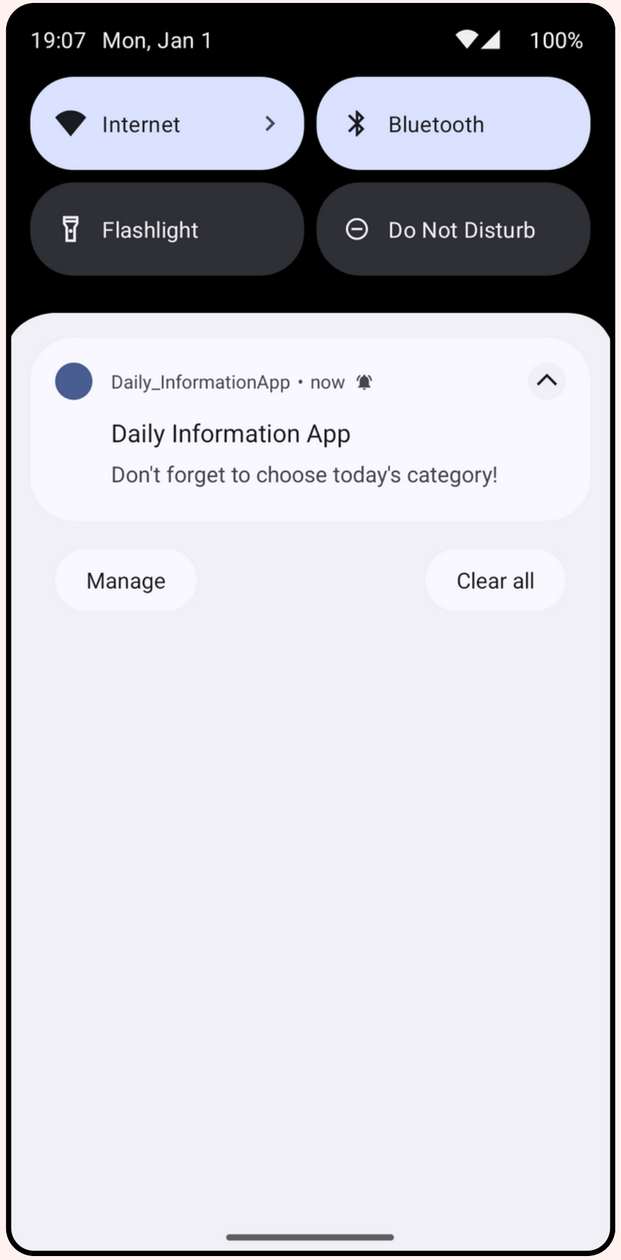
DESIGN - TODAY'S CHOICE



- "If the user **has not yet selected any category for the current day**, the 'Today's Choice' button displays this message when pressed.

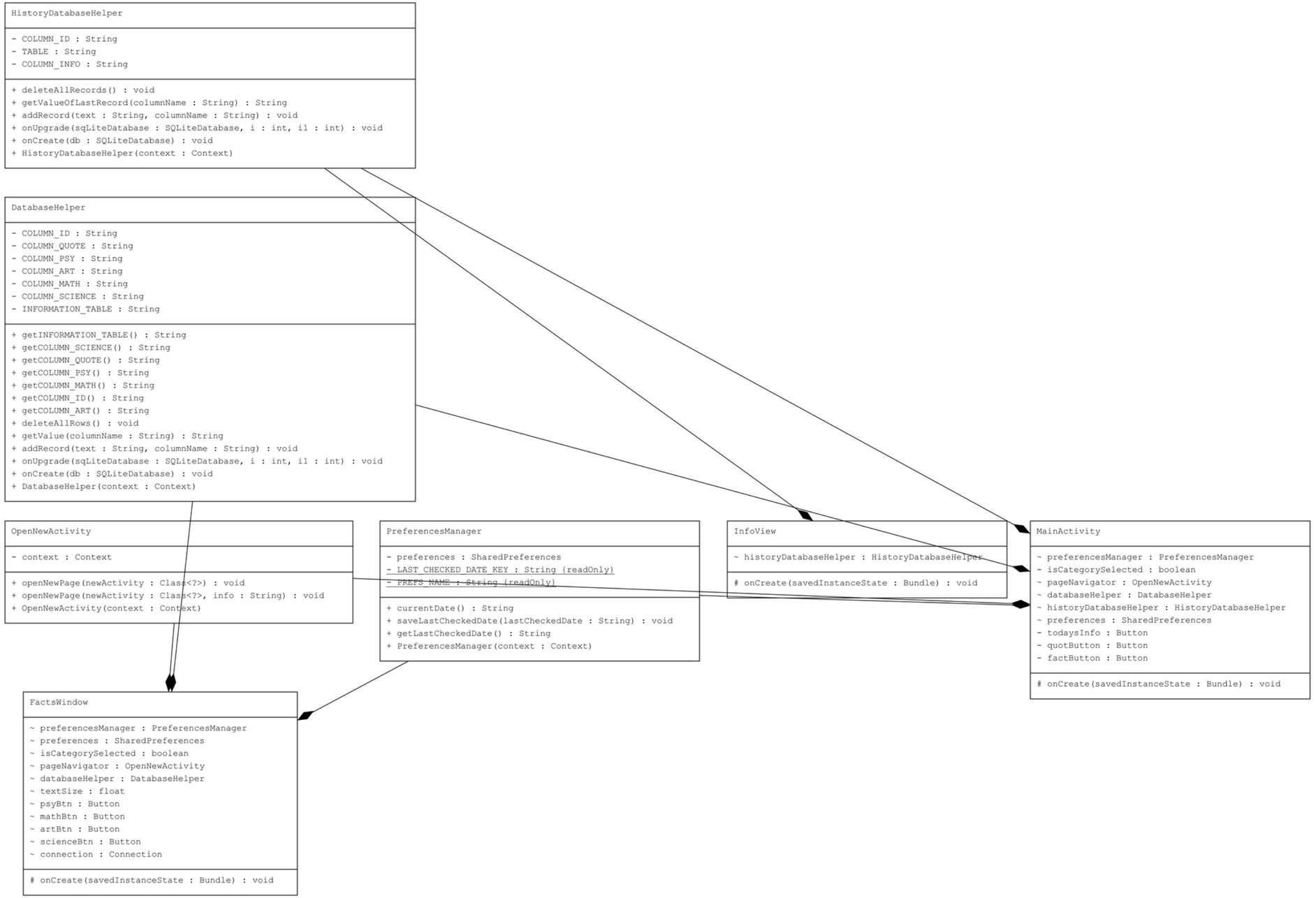






DAILY REMINDER NOTIFICATION

- Reminds the user to choose a category at a time determined by the application.


HistoryDatabaseHelper
- COLUMN_ID : String
- TABLE : String
- COLUMN_INFO : String
+ deleteAllRecords() : void
+ getValueOfLastRecord(columnName : String) : String
+ addRecord(text : String, columnName : String) : void
+ onUpgrade(sqLiteDatabase : SQLiteDatabase, i : int, i1 : int) : void
+ onCreate(db : SQLiteDatabase) : void
+ HistoryDatabaseHelper(context : Context)
DatabaseHelper
- COLUMN_ID : String
- COLUMN_QUOTE : String
- COLUMN_PSY : String
- COLUMN_ART : String
- COLUMN_MATH : String
- COLUMN_SCIENCE : String
- INFORMATION_TABLE : String
+ getINFORMATION_TABLE() : String
+ getCOLUMN_SCIENCE() : String
+ getCOLUMN_QUOTE() : String
+ getCOLUMN_PSY() : String
+ getCOLUMN_MATH() : String
+ getCOLUMN_ID() : String
+ getCOLUMN_ART() : String
+ deleteAllRows() : void
+ getValue(columnName : String) : String
+ addRecord(text : String, columnName : String) : void
+ onUpgrade(sqLiteDatabase : SQLiteDatabase, i : int, i1 : int) : void
+ onCreate(db : SQLiteDatabase) : void
+ DatabaseHelper(context : Context)
OpenNewActivity
- context : Context
+ openNewPage(newActivity : Class<?>) : void
+ openNewPage(newActivity : Class<?>, info : String) : void
+ OpenNewActivity(context : Context)
PreferencesManager
- preferences : SharedPreferences
- LAST_CHECKED_DATE_KEY : String {readOnly}
- PREFS_NAME : String {readOnly}
+ currentDate() : String
+ saveLastCheckedDate(lastCheckedDate : String) : void
+ getLastCheckedDate() : String
+ PreferencesManager(context : Context)
InfoView
~ historyDatabaseHelper : HistoryDatabaseHelper
# onCreate(savedInstanceState : Bundle) : void
MainActivity
~ preferencesManager : PreferencesManager
- isCategorySelected : boolean
~ pageNavigator : OpenNewActivity
~ databaseHelper : DatabaseHelper
~ historyDatabaseHelper : HistoryDatabaseHelper
~ preferences : SharedPreferences
- todaysInfo : Button
- quotButton : Button
- factButton : Button
onCreate(savedInstanceState : Bundle) : void
FactsWindow
~ preferencesManager : PreferencesManager
~ preferences : SharedPreferences
~ isCategorySelected : boolean
~ pageNavigator : OpenNewActivity
~ databaseHelper : DatabaseHelper
~ textSize : float
~ psyBtn : Button
~ mathBtn : Button
~ artBtn : Button
~ scienceBtn : Button
~ connection : Connection
# onCreate(savedInstanceState : Bundle) : void

FUTURE DEVELOPMENTS

- Users can choose the **notification time**.
- It is possible to create a **library where the user can save content they like**. However, with this development, the possibility of procrastination in reading the content should be considered since the option to read it later is introduced.
- **Photos and audio content** can be added. For example, in the art section, information about paintings can be provided along with adding images.

THANK YOU FOR LISTENING!