**AUTOMATED ANDROID APP GENERATION SCRIPT**

**Installation**

1. Clone this repository or download the script.
2. Ensure the following folder structure:

├── Basecode/

│ └── [Your Android base code template]

├── codegres\_projects.xlsx

├── icons/

│ └── [App-specific icons organized by app name]

**Usage**

1. Update the paths in the script for:
   * base\_code\_path: Path to the base code directory.
   * excel\_file\_path: Path to the Excel configuration file.
   * output\_directory: Path where the generated apps will be saved.
2. Run the script:

bash

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python automate\_apps.py

1. Check the automation.log file for execution details.

**Excel File Format**

| **App Name** | **Package Name** | **URL** | **adUnit** | **interstitialAdId** | **bannerAdId** | **isBannerAds** | **isInterstitialAds** | **isPortfolio** | **Repo URL** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ExampleApp | com.example.app | <https://example.com> | ABC123 | DEF456 | GHI789 | true | false | false | <https://github.com/>... |

**Output**

* Each app is generated in its own directory under the output\_directory.
* Customizations include:
  + Renamed package structure.
  + Updated settings.gradle and strings.xml.
  + Replaced placeholders in code files.
  + Generated mipmap icons for launcher icons.
* If a Git repository URL is provided, the app will be pushed to the specified repository.

**Logging**

All operations are logged to automation.log. Errors, warnings, and successful steps are recorded.

**License**

This project is licensed under the MIT License. See the LICENSE file for details.

**Contributing**

Contributions are welcome! Feel free to fork the repository and submit pull requests.

**Contact**

For queries or issues, reach out to the author at ksrpoovarasan634@gmail.com.

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### How to Use the `README.md`

- Copy and paste the above content into a file named `README.md`.

- Replace placeholder paths, example configurations, and contact details with your project's actual details.

- Include the `README.md` in the root of your project's Git repository.