

:ledger: App Ideas Collection



App Ideas

Collection of app ideas for your next project

Have you ever wanted to build something but you had no idea what to do? Just as authors sometimes have "writers block" it's also true for developers. This list is intended to solve this issue once and for all! =M

These applications are:

- ✓ great for improving your coding skills :muscle;;
- ✓ great for experimenting with new technologies < ;
- ✓ great for adding to your portfolio to impress your next employer/client :file_folder;;
- ✓ great for using as examples in tutorials (articles or videos) :page_with_curl;;
- ✓ easy to complete and also easily extendable with new features :ok_hand;;

This is not just a simple list of projects, but a collection that describes each project in enough detail so that you can develop it from the ground up!

Each project has the following **features**:

1. A clear and descriptive objective;
2. A list of *User Stories* which should be implemented (these stories act more as a guideline than a forced list of *To-Do's* Feel free to add your own stories if you want);

3. A list of bonus features that not only improve the base project, but also your skills at the same time (these are optional and should be attempted only after you have completed the required user stories)
4. All the resources and links to help you find what you need to complete the project
- Here you can [watch a video about this repository](#).

Projects

Projects are divided into three tiers based on the knowledge and experience required to complete them.

Tier	Developer Profile
1	Developers in the early stages of their learning journey. Those who are typically focused on creating user-facing applications.
2	Developers at an intermediate stage of learning and experience. They are comfortable in UI/UX, using development tools, and building apps that use API services.
3	Developers who have all of the above, and are learning more advanced techniques like implementing backend applications and database services.

< - New Project

Tier-1: Beginner Projects

Name	Short Description	Tier
Bin2Dec	Binary-to-Decimal number converter	1-Beginner
Border Radius Previewer	Preview how CSS3 border-radius values affect an element	1-Beginner

Calculator	Calculator	1-Beginner
Christmas Lights	Simulate a string of Christmas lights	1-Beginner
Cause Effect App	Click list item to display item details	1-Beginner
Color Cycle	Cycle a color value through incremental changes	1-Beginner
Countdown Timer	Event Countdown timer	1-Beginner
CSV2JSON App	CSV to JSON converter	1-Beginner
Dollars to Cents	Convert dollars to cents	1-Beginner
Dynamic CSS Variables	Dynamically change CSS variable settings	1-Beginner
First DB App	Your first Database app!	1-Beginner
Flip Image	Change the orientation of images across two axes	1-Beginner
GitHub Status	Display Current GitHub Status	1-Beginner
Hello	User native language greeting	1-Beginner
IOT Mailbox Simulator	Use callbacks to check your snail mail	1-Beginner
JS Input Validation	Script to validate inputs entered by a user using RegEx	1-Beginner
JSON2CSV App	JSON to CSV converter	1-Beginner
Key Value	Keyboard Event Values	1-Beginner

Lorem Ipsum Generator	Generate lorem ipsum placeholder text	1-Beginner
Notes App	Create an online note pad	1-Beginner
Pearson Regression	Calculate the correlation coefficient for two sets of data	1-Beginner
Pomodoro Clock	Task timer to aid personal productivity	1-Beginner
Product Landing Page	Showcase product details for possible buyers	1-Beginner
Quiz App	Test your knowledge by answering questions	1-Beginner
Recipe App	Recipe	1-Beginner
Random Meal Generator	Generate random meals	1-Beginner
Roman to Decimal Converter	Convert Roman to Decimal numbers	1-Beginner
Slider Design	Display images using a slider control	1-Beginner
Stopwatch App	Count time spent on activities	1-Beginner
TrueOrFalse	Identify the result of a conditional comparison	1-Beginner
Vigenere Cipher	Encrypt text using the Vigenere Cypher	1-Beginner
Wind Chill	Calculate the windchill factor from an actual temperature	1-Beginner
Word Frequency	Calculate word frequency in a block of text	1-Beginner

Weather App

Get the temperature,
weather condition of a city.

1-Beginner

Tier-2: Intermediate Projects

Name	Short Description	Tier
Bit Masks	Using Bit Masks for Conditions	2-Intermediate
Book Finder App	Search for books by multiple criteria	2-Intermediate
Calculator CLI	Create a basic calculator cli.	2-Intermediate
Card Memory Game	Memorize and match hidden images	2-Intermediate
Charity Finder App	Find a Global Charity to donate to	2-Intermediate
Chrome Theme Extension	Build your own chrome theme extention.	2-Intermediate
Drawing App	Create digital artwork on the web	2-Intermediate
Emoji Translator App	Translate sentences into Emoji	2-Intermediate
Flashcards App	Review and test your knowledge through Flash Cards	2-Intermediate
Flip Art App	Animate a set of images	2-Intermediate
Game Suggestion App	Create polls to decide what games to play	2-Intermediate
GitHub Profiles	A GitHub user search App	2-Intermediate

HighStriker Game	Highstriker strongman carnival game	2-Intermediate
Image Scanner	Image Scanner App	2-Intermediate
Markdown Previewer	Preview text formatted in GitHub flavored markdown	2-Intermediate
Markdown Table Generator	Convert a table into Markdown-formatted text	2-Intermediate
Math Editor	A math editor for students to use	2-Intermediate
Meme Generator App	Create custom memes	2-Intermediate
Name Generation using RNNs	Generate names using names dataset	2-Intermediate
Password Generator	Generate random passwords	2-Intermediate
Podcast Directory	Directory of favorite podcasts	2-Intermediate
QR Code Badge Generator	Encode badge info in a QRcode	2-Intermediate
Regular Expression Helper	Test Regular Expressions	2-Intermediate
Sales Reciepts App	Record Sales Receipts in a DB	2-Intermediate
Simple Online Store	Simple Online Store	2-Intermediate
Sports Bracket Generator	Generate a sports bracket diagram	2-Intermediate
String Art	An animation of moving, colored strings	2-Intermediate
This or That Game	This or That Game	2-Intermediate
Timezone Slackbot	Display Team Timezones	2-Intermediate

To-Do App	Manage personal to-do tasks	2-Intermediate
Typing Practice	Typing Practice	2-Intermediate
Voting App	Voting App	2-Intermediate

Tier-3: Advanced Projects

Name	Short Description	Tier
Battleship Bot	Create a Discord bot that plays Battleship	3-Advanced
Battleship Game Engine	Create a callable engine to play the Battleship game	3-Advanced
Boole Bots Game	Battling Bots driven by Boolean algebra	3-Advanced
Calendar	Create your own Calendar	3-Advanced
Calorie Counter	Calorie Counter Nutrition App	3-Advanced
Chat App	Real-time chat interface	3-Advanced
Contribution Tracker App	Track funds donated to charity	3-Advanced
Elevator	Elevator simulator	3-Advanced
Fast Food Simulator	Fast Food Restaurant Simulator	3-Advanced
Instagram Clone	A clone of Facebook's Instagram app	3-Advanced
GitHub Timeline	Generate a timeline of a users GitHub Repos	3-Advanced

Kudos Slackbot	Give recognition to a deserving peer	3-Advanced
Movie App	Browse, Find Ratings, Check Actors and Find you next movie to watch	3-Advanced
MyPodcast Library	Create a library of favorite podcasts	3-Advanced
NASA Exoplanet Query	Query NASA's Exoplanet Archive	3-Advanced
Shell Game	Animated shell game	3-Advanced
Shuffle Deck	Evaluate different algorithms for shuffling a card deck	3-Advanced
Slack Archiver	Archive Slack Messages	3-Advanced
Spell-It App	A twist on the classic Speak N Spell game	3-Advanced
Survey App	Define, conduct, and view a survey	3-Advanced

Plans for the future

We are planning to add more and more projects to this repository. For this, we need your help! Find out how to contribute below. =G

We are also planning to create a website where you can easily browse through all of the projects.

Contribution

Any contributions are highly appreciated. :pray: You can contribute in two ways:

1. create an issue and tell us your idea :bulb:. Make sure that you use the **new idea** label in this case;
2. fork the project and submit a PR with your new idea. Before doing that, please make sure that you read and follow the [Contribution Guide](#);

Examples

You can also add your own examples to the projects after you have completed them. I highly encourage you to do this as it will show others what amazing things were built! =M

Spread the word!

If the information from this repo was useful to you in any way, make sure you give it a star < , this way others can find it and benefit too! Together we can grow and make our community better! :smiley:

Do you have any suggestions on how we could improve this project overall? Let us know! We'd love to hear your feedback!

Main Contributors =B=B

- ✦ **Florin Pop:** [Twitter](#) - [YouTube Channel](#)- [website](#).
- ✦ **Jim Medlock:** [Twitter](#) - [articles](#)

100Days100Projects =

As a bonus, I created the [#100Days100Projectschallenge](#). You can find in there 100 more ideas of smaller projects. Enjoy! =

Stars history