

App ideas

1. Kindness

A kindness sharing app that gives suggestions for users to do right by their colleagues, friends, and people whom they do not know. The things include making small donations, showing kindness, helping people, caring more, and becoming more polite to others.

- Share a better feeling to other and yourself

2. Community - Flutter Explained App

A Mobile tutor app for children, which not only helps them to learn new things and skills but also allows them to be creative with the easy to use DIY products.

- Discord - Chat and Community work
- Having Blog Posts and Information about Flutter and Dart
- Maybe Twitter live feed
- Tutorial
- Coding Quizzes

3. Electric Application - Flutter Explained

- A lot of bugs to fix
- Maybe Charting

4. Safety Live

an app that show real time conflict zones in the globe to help people stay safe by avoiding such areas.

- Live map that shows conflicted zones.
- feed for users to post about the conflict in their areas.
- Emergency zones that contain local emergency contacts

etc.

5. Software Engineering Library App

- Have library of different kind of books
- Maybe short descriptions about them

- Rating / Likes the books together
- Link Development Problems to pages in books

6. WebRTC - Video App Real Time Chat - Debate Club App

Target audience:

- High School Students
 - Everyone who wants his topic discussed
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- Discussion App
 - Everyone gets a topic

For each topic we need two debaters

5 minutes per person for the first round

3 minutes per person for the second round

1 min per person for the closure

1. Talking about how great iPhones are
 - a. 1 min to defend his position
 - b. 5 time to record a 1 min video
2. Talking about how great Android phones are
 - a. 1 min to defend his position
 - b. 5 min time to record a 1 min video

Recorded	Live Stream
Technical easier to solve	More user interaction
Makes reaction based discussion impossible	Reviewable or fire and forgett?
	Live Collaboration and Discussion - Live Chat / Debater can not see

Juan Tapia - Cool Idea: Implement for Beatbox and Rap battles

iOS / Android

- Many Debaters or only two?
- 101 % 2 = 50 different sessions?

Audience

- Rate the discussion
- Announce a winner

- Level System
- Credibility
- Add topics
 - Report Topics
 - Remove Topics
 - Upvote Topics
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Additional things

- Fact checking
 - 3rd Participant who makes fact checks and moderates a little
- Add planning (calendar)for future debate

Small Investigation 16.12.2020

- It is feasible with Flutter WebRTC
- Stun Server with Signaling
- Coturn on the cloud AWS / Google Cloud
- Possible solution would be <https://www.agora.io/en/pricing/>

8. Image Based Password Manager

Mobile Devices

Login with Google Account (Better Google Auth/Apple auth for direct login) to sync the data to the cloud.

1. Image as master password, where you must plot 4 or more points and encrypt the points with a key(AES Encryption), Store the encrypted string inside the image(using Steganography).
2. Save the image in Firebase. So whenever the user opens the app, the user must be asked to login using the image. The image must be fetched from the firebase storage as per UID. (Make sure the user must not be logged in using the image password.)
3. After the user has logged in he must have a screen like we do for general To-Do apps. When he click add button, the must be given with 3 input fields
 - a. Account name(non-nullable)
 - b. Username/Email(nullable)
 - c. Password(non-nullable)
4. The entered values must be hidden(obsured). If possible encrypt them too.

Desktop & Web devices

1. These devices must have a QR code and that must be generated this way -
 - a. Randomly generated 6 digits/alphanumeric text and encrypt it with the key we used in the mobile.

- b. When we scan that must be decrypted and showing the original 6 digit text.
2. If the scanner finds any encrypted text then it must decrypt using the key we hard code in it.
3. When we get the code, Enter the code in the web/desktop applications. If the text matches with the text in QR code then log in and show the passwords.
4. There must be a copy icon, so that the user or intruder can't see the password and the user can directly paste it in the password field. Users must not be supposed to do any manipulations in desktop/web applications.

All CUR (not D) must be done from only mobile devices.

GITHUB REPO: <https://github.com/yauh1031/photochatapp>

NOTE: Please don't mind the app name, most of the code was taken from someone's repo(very similar to my app but not). We can create our own app. I have no time left to submit my project so I have copied it.

9. Ecommerce app (hyperlocal app)

A large scalable application. Includes (Customer app, Admin app and Delivery rider App).

Receive the data from Shopify

- <https://shopify.dev/docs/admin-api/rest/reference>

Sell Flutter Explained Merch :)

10. Game like Cluedo with AR

A game where you have to solve a murder. And you can find clues when searching with the smartphone. And you can see it with AR the items on the ground or on a table.

- AR
- GeoCaching with AR
- Treasure Hunt
 - Leave clues on the ground
 - Scavenger hunt

11. Game in 3d with Unity

- 3D Game with <https://github.com/juicycleff/flutter-unity-arkit-demo>
- Flutter Unity Widget https://pub.dev/packages/flutter_unity_widget