Project Requirements documentation

This is a PDF conversion toolkit for WEBSITE and ANDROID that provides users with functions related to PDF conversion and PDF reading.

Reference: Smallpdf.com, pdf4me.com, PDF.io

Features List

1. User registration/login

Email, Phone, OAuth2.0

The default is to use email to register and login, but also has a cell phone number login (I choose to use the amount provided by FIREBASE) and a GOOGLE account login for OAUTH 2.0 (I don't use FB and TWITTER because I don't have developer status for FB and TWITTER).

For Android, the registration and login pages should use Android's 'pagination tab' style.

- User information page

This page should display mailbox button, click it to view system push notifications, subscription notifications and tickets notifications. And allow users to upload their avatar, change their nickname and email, change password, add secondary email, change preferred email, change cell phone number, add secondary cell phone number, change preferred cell phone number feature. One of email and cell phone number must be mandatory, if you choose email registration,

then cell phone number will not be a mandatory item, and vice versa.

Displays the user's billing address, payment method, and subscription plan.

Allows the user to change the billing address.

- Usage History

This displays a record of each file that has been modified and converted by the user.

2. Subscription

Plans: Free/Month/Annual. 7-day free trial.

Free subscriptions:

- Using all features of website and android.
- Deal 5 files/day

Month subscriptions:

- Including all of Free.
- No Limit.
- No ads.
- Allow using VPN visit.

Annual subscriptions:

- Including all of Month.
- 20% Discount.
- 7x24 email support.

Users can cancel and change their subscriptions.

Subscription amounts and free usage limits should be adjustable by the

administrator with the highest privileges.

Payment methods include PAYPAL payment, credit card payment and other methods allowed by GOOGLE PLAY. The user can change the payment method (the changed deduction will be calculated from the next payment cycle).

3. PDF Editor

- Read PDF(For Android APP)

APP will detect the format of the uploaded file, and if it is PDF, it will automatically jump to the reader. Here users can browse, zoom in, zoom out, and jump to the developed page function. If the user is a subscriber, a modify button will also be placed. Click the Modify button to jump to the PDF editor.

- Edite PDF

Its a function that allows users to modify PDF content, usually by modifying characters, changing page order, deleting pages, adding pages and others tools.

4. PDF Conversion

The page logic here should be: click on the first level menu - file list - select file - select target file format

- PDF to WORD

- PDF to IMAGE

- PDF to EXCEL

- WORD to PDF

- IMAGE to PDF

- EXCEL to PDF

5. Search(For Android App)

This function should be in the upper right corner of the main screen of the app.

6. Download and share

In Website, the finished file is downloaded to local. In App, by default,is downloaded to storage, and should also have a sharing function to send files to other app.

7. FAQs

- Frequently Asked Questions

Common problems are listed here, and administrators should be able to add entries, change the order, or delete entries.

- Contact Support

Submit a support ticket. This page displays the support ticket record and adds new support tickets.

8. Setting(For Android App)

- System setting

  - Push notification switch

  - Light Mode Switch

  - Language selection: English, Hindi, Simple-Chinese German, French, Japanese, Korean, Spanish

  - Clear cache button

  - Rate Us

  - Privacy Policy and User Agreement

- Terms and Conditions(Pro and Free)

9. Integrate

- FIREBASE(For android app)

- CloudFlare(For Website)

- Google Analytics

- Admob

- Ads

- Payments Gateway

Requirements

1. Package

Package name : .com.pdfmake

Development kit selection: Commercial license. free. The character recognition rate is higher than 99.9%

2. Codes

Using one of JAVA, PYTHON, C++, KOTLIN, PHP, you must use standard code conventions and add comments (English) that should be easily understood and read by other developers.

3. UI and UX

All colors should use warm colors, all colors should not exceed 3, the theme color and hover color values should not be too large.

Each menu bar entry should have a vector logo, which changes from a line format to a filled format when a hover action occurs.

4. Network

When the network is disconnected, the task queue is saved as a breakpoint (downloading continues when the network is reconnected). The task queue is not cancelled or interrupted when WIFI and 5G/4G/3G signal switching occurs.

5. Memory

Any operation within the app should remain smooth, without operational delays, screen jams, exits, etc. Ensure that the memory consumption will not affect other APPs, keep the code simple, run smoothly in logic, and not have stack overflow phenomenon.

6. Security

Should prevent scraping and deny VPS. prohibit external sites from calling the site's API, and have other cyber attack defense features.

Delivery

1. Signing of NDA and IP agreements.

2. There should be a prototype .AI file of the logo.

3.
   Screenshots of APP usage and

4.

5.

module descriptions, architecture diagrams, etc.

6. UI design drawings (prototyping standards).

7.
   APK packaging and distribution.

8.
   Bug fixing services (free) and added features for the next 6 months (if

paid).