MyBackpack README

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MyBackpack is a mobile application that is compatible across all Android devices. Before logging in to the app, users can create a new account where they provide basic information about themselves including their name, email address, school name, age, username, and password. Once they log in to the app with their new account, users are prompted with a home screen that has icons representing the different sections of the application. These icons give the user the ability to add and then view their awards, extracurricular activities, classes, test scores, volunteer experience, work experience, and clubs. Another feature is that every student can view the portfolio of other students on the app and see how they compare to their peers. If the user ever needs help navigating through, there is an interactive Q&A chatbot, powered by Open AI, that is personalized to answer questions immediately and accurately. This page also includes a bug reporting system that alerts the app developers of any potential issues in the programming of the app.

Features

- Designed for all Android devices
- Personalized chatbot powered by OpenAI to assist users with issues finding various pages within the app and allow them to ask questions with immediate responses
- Ability for users to edit their account information, including changing their username, name, and password

- Option to export resume which includes all important information in account, organized in a visually appealing manner for users
- Option to contact app developers for reporting bugs within the system and ask questions using a personalized chatbot powered by Open AI
- Students can add awards, extracurricular activities, work experience, volunteer experience, clubs, and classes to their portfolio
- Students can view the portfolio of other students who use the app

Instructions to Run

- Topic/Problem: Many high school students do not have the proper outlet to compile their achievements and activities in an aesthetic, easy-to-use manner. Having a place to store all of their high school stats could help students when they are filling out college applications and applying to jobs or internships
- This topic is addressed through the pages in our application where the student can add classes, clubs, volunteering, work experience, test scores, extracurriculars, and awards to keep track of their high school experiences.
- This mobile application was developed in Java using Android Studio. Our app can be downloaded and run across all Android devices.
- To run the application, you can download the .zip file from this README and open the file using the newest version of Android Studio (Android Studio Hedgehog | 2023.1.1)
- Manual Installation Instructions - https://github.com/stpnn/myBackpack

Asset Package

Resources Used

- Digital Art from DALL-E 2 - https://openai.com/dall-e-2

- Wallpapers throughout app from wallpapers.com -

  https://wallpapers.com/blue-phone

- App Icons from Icons8 - https://icons8.com/icons/set/clipart

Software and Services Used

- Canva - https://www.canva.com/

  - We used Canva to develop our slides presentation that was showcased in

    our video.

- Krita - https://krita.org/en/

  - We used Krita to draw the logo and icon for our app.

- Figma - https://www.figma.com/

- - We used Figma to create a wireframe for the entire app and plan out each page before we started programming.
  - Android Studio - https://developer.android.com/studio
    - We built and tested the application in Android Studio.
  - OpenAI - https://openai.com/
    - We used an API key from Open AI to power our personalized chatbot within the app that assists users with questions they may have.
  - YouTube - https://www.youtube.com/
    - We used YouTube tutorials to learn how to implement certain features within our app, such as exporting and sharing resumes to Instagram, using a personalized chatbot, and emailing bug reports from users to the app developers.

References

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- "2023-24 Competitive Events Guidelines Mobile Application Development." FBLA, https://connect.fbla.org/headquarters/files/High%20School%20Competitive%20Events%20Resources/Individual%20Guidelines/Presentation%20Events/Mobile-Application-Development.pdf

- "Tips for Mobile Application Development | Ft. Mukul Koirala." Texas FBLA Area 7, https://www.youtube.com/watch?v=-tgDF0IaYdA

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