

INTRO/ABSTRACT

Getting anyone motivated to complete chores can be a chore itself! To solve this issue, our team is using Dart and Flutter to build a desktop application that pits roommates, family members, and siblings against one another to complete chores for points. The purpose of this program is to simulate competition between users in order to motivate users to complete tasks amongst the living space.

METHODS

CompChores utilizes features within Flutter such as integration of the recently released Amplify API. This in turn allows us to take advantage of Amazon Web Services, specifically Amazon Cognito which allows secure account creation, two factor authentication, and account recovery.

RESULTS

Setting up AWS Amplify with Flutter on desktop took lots of configuring and tweaking to work properly, but it will offer more functionality that otherwise would take longer to hand code.

Some struggles have been with error checking on user inputs. Certain inputs can cause the logic of the application to not work properly. To solve this we have used Regular Expressions and Flutter input formatters to limit what users are allowed to input into the program. This issue was originally not accounted for, but has taught us a great deal about error checking each step that users are allowed to take.

There are a lot of ideas we would like to implement, but as the project grows, new ideas can intersect with portions of the program that otherwise would've been overlooked. We are learning this and have shifted to separate widgets from one another in order to isolated sections of the program. This allows for easier bug testing and implementation.

CompChores is a Desktop App developed with Dart and Flutter.

Implementing Amazon Web Services specifically Cognito with Amplify API, API Gateway, Lambda, and RDS. It aims to deliver an intuitive user chore management instrument.



Link to our website for more in-depth information regarding our timeline, methods, and technology used during development.