

Happy path for a registered user:

1. Registered user logs in using firebase Google authorization or immediately sent to homepage because they logged in recently
2. They reach the home page which has any self-generated articles in list form
3. Clicks button in top left corner
  - a. Select option to be redirected to a new page to create new articles
  - b. Selects option to return to all user generated articles
4. Opts to create a new article
  - a. Prompted to enter the first line of the article
5. If Google authorization fails,
  - a. User is prompted to re-enter username and/or password
  - b. User is prompted to create a new account with Google

Happy path for a new user:

1. Opens app
2. Prompted to sign in or create a new account with Google
3. Creates an account in the app or signs up with Google account
4. Is shown a timeline of all user generated articles organized as a list
5. Clicks button in top left
6. Selects option to create a new article
  - a. Enters first line of article
7. If the user is unable to sign up,
  - a. User is prompted to try creating a new account with a different email and/or password

Based on our analysis of our user stories and how we think our app should work, we chose to develop a solution using Flutter. We find flutter to be the right choice because we can develop simultaneously for Android and iOS. The amount of interface detail one gets with Flutter is great for our app since it's mobile. The use of widgets can also make it easier to understand what our app should look like in its current state; being able to see changes immediately on a simulator is very beneficial for our app.

Another good platform would be Node, but we decided against using Node based on the experience of our team as a whole. We wanted to learn something new and preferred the features in flutter to those in Node. Specifically, seeing real time changes using a simulator.