

Progress Report

- Increment 3-

Group 26

1) Team Members

- a) Kyla Henry – kgh21e – KylaHenry
- b) Brian Ho – bvh19 – brian-h-101
- c) Beck Boyd – reb21 – bboyd-21
- d) Flora Charles – fac20b – florah12
- e) Holly Lapini - hl21e –

2) Project Title and Description

Inky. It is an app that allows users to read books while also having the choice to write books. Our mission was to connect literature lovers in an all-in-one immersive app where they can indulge while preserving the context of books with the evolution of technology by keeping that escape of reality into the storybook realm alive. Even though the initial implementation of the application changed from a books app where users can read, write, upload comics and web stories, the overall mission of the application remains the same.

3) Accomplishments and overall project status during this increment

We basically had to restart the project due to platform issues. It caused an error to the code due to the constant updates that would be pushed to the hosting platform causing errors. We made the rash decision to restart the entire project in order to salvage whatever we can. Instead, we used Xcode and Swift for the frontend and made the backend dynamic. We are able to implement most of the features and have their basic functionality.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Please describe here in detail:

-During this incrementation to restart, we had a bit of trouble with getting the books the user read and would display in the library to display in the recently read on the home page. We were able to work through and fix the bug.

-Another challenge we faced was the text box for the user to input their stories. It wouldn't align properly with what was needed until we worked through it.

-We changed the original plan of having it be a story app with comics and picture stories to simply a writing app that allowed for the user to write and read stories created by other users.

-All the initial features of the app were able to be implemented but not to their highest extent.

-We are currently unable to implement the sign up and login feature currently due to time restrictions, but we would like to do so if given more time

-Challenges faced with AWS is the pricing of using its services, Holly and Brian had little experience with AWS, so building the backend was a whole learning process. We had designed the backend using too many subnets in the VPC which had affected the pricing of using AWS to 100\$ a month.

5) Team Member Contribution for this increment

*Please list each individual member and their contributions to **each of the deliverables in this increment** (be as detailed as possible). In other words, describe the contribution of each team member to:*

- a) the **progress report** – Kyla (all)
- b) the **requirements and design document**- Kyla (everything else), Holly (RD Template – use case diagram), Flora (RD template, Class Diagram / Sequence Diagram)
- c) the **implementation and testing document** – Kyla (everything)

- d) *the source code* – Kyla (everything else), Beck (Home page), Brian (RD template – operating environment)
- e) *All members participated in the video and discussed the problems they encountered.*

6) Plans for the next increment

For the next increment, we plan to incorporate the ability to upload and create picture stories while also expanding to android and web-based platforms to make it more accessible to other possible users. We also would like to monetize the environment with ads that allow us to be able to market the application further. We would also implement the comments on the stories and create a discussion tab on the users profile where they would be able to post notes and have people comment below them. We would then implement the authors page that redirects the user to the authors profile.

7) Stakeholder Communication

Dear Stakeholders,

I hope this message finds you well. I am pleased to provide an update on the status of our project and share our progress, despite encountering and overcoming some significant challenges.

During development, we identified critical issues with our initial platform that would have rendered the code unsustainable for future growth. In light of this, we made the strategic decision to restart the project using Xcode to build a robust iOS application. While setbacks like this are not uncommon in software development, we viewed it as an opportunity to ensure the long-term success of our application by laying a more stable foundation.

I am happy to report that we have successfully rebuilt the application with all the original features intact. These include:

Home: Displays your current reads, top reads by others, and personalized reading suggestions.

Search: A search bar enabling quick access to stories.

Library: A space to manage current reads, with the ability to remove them as desired.

Write: Tools to create and share your own stories.

Notifications: Stay informed with updates related to your stories and activities.

User Profile: A personalized profile with options for a user image, background image, biography, followers, and works.

Stories: A seamless experience for reading and engaging with stories.

Our primary focus has been to ensure that these features provide a seamless and engaging user experience, which aligns with the goals of our domain and user community.

Looking ahead, we are eager to expand the application's reach and functionality. Given more time and resources, our next steps would include:

Android Development: Creating an Android version to broaden accessibility.

Web-Based Application: Building a web version for even greater convenience and cross-platform use.

We are confident that these enhancements will enable us to better serve our user base and meet the broader needs of the community.

We deeply appreciate your support and understanding as we navigate these challenges and remain committed to delivering a product that reflects our shared vision. Please feel free to reach out if you have questions or would like to discuss the project further.

Thank you for your continued partnership.

Kind Regards,
Inkists,
Team 26

8) Link to video

[CEN4090L Increment 3](#)

9) Trello Board: GitHub Issue Tracker Metadata

[Trello Board](#)