**Progress Report**

**- Increment 3 -**

**Group #10**

# Team Members

Alex Gonzalez (alex-305)

Samuel Anderson (sama305)

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Claudio Olmeda Florio (Dio27073)

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1. **Project Title and Description**

Our project is a social media web application that centers on a map of the world. You make a post, and it is placed on the map at the location you posted it from. People around the world can see and comment on your post and as it gets more likes, it expands, meaning it takes up a bigger spot on the map. Posts have creative features such as color customization. We also include user profile editing such as editing your account username, email, or password.

1. **Accomplishments and overall project status during this increment**

For our final increment, we strived for our project to have the core features of a social media application. Such as account features: Registering for an account, secure login, and the ability to edit your account username, email, or password. As well as social aspects: creating customizable posts, interacting with other users posts through liking and commenting, and being able to navigate anywhere on the map to find posts, and being able to delete any of your previous posts or comments. Additionally, it is all displayed with a nice React app that is both responsive and stylish.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

The first increment was the most challenging during this project. Once we got overlaying information over a map figured out in increment 1, it helped create a good momentum. In the second increment, we cleared any noticeable bugs affecting the application such as location permissions causing crashes. We also held a group discussion to clarify how to properly use GitHub to share our current individual tasks and progress. By this third increment, we were able to efficiently delegate tasks on GitHub and we focused on adding specific features we felt would add value to our social media application, such as user account editing and post tracking and deletion.

1. **Team Member Contribution for this increment**
   1. *the* ***progress report:*** Alex Gonzalez and Juancarlos Alguera
   2. *the* ***requirements and design document****:* (everyone, group effort)
   3. *the* ***implementation and testing document****:* (everyone, group effort)
   4. *the* ***source code****:*

**Alex** – Handled core backend work, fixed bugs, and worked on a lot of user authentication features

**Samuel** – Handled core frontend work, worked on the foundation for our database, and fixed many bugs

**Joel** – Added settings page with new routes and migrations, added a username editing feature

**Claudio** - Fixed a lot of bugs and added features for posts and comments such as deletion

**Juancarlos** – Worked on dark mode, user account editing, and made a list tracking all personal posts

* 1. *the* ***video or presentation:***(everyone, group effort)

1. **Plans for the next increment**

This is the final increment. We managed to satisfy all our original requirements.

1. **Stakeholder Communication**

Dear Stakeholders,

We hope this email finds you well. We are writing to provide our final update on the progress of our map-based social media application and to outline the achieved status and next steps following the completion of our application.

We, here at Map Social Media Company Inc., want to talk to you about our progress to date. We have made significant strides in several key areas:

Core Functionality Development: The interactive map interface is fully operational, allowing users to

* Post from their locations
* Comment and like on others’ posts
* Explore community-contributed content
* View a list of all their posts
* Delete any of their previous posts or comments
* Update their account username, email, and password.

Backend Enhancements:

* Our database design supports efficient handling of location-based queries and user interactions.
* Initial performance tests indicate strong scalability potential for handling larger user bases thanks to the power of Laravel, a reliable web application framework.

UI/UX Design:

* We have refined the interface to enhance its usability. We actively strived for the application design to be highly intuitive for its users. We ensure that the responsiveness of our application and the stylistic choices will increase the engagement for the user, making the app feel natural and comfortable to them.

Challenges Encountered:

* While overall progress is steady, we have faced a few challenges that are not uncommon in software development, such as: communication issues, improper integration of new features, timeline estimations, and debugging. Despite facing many challenges throughout the development process, we were able to work through them. We are ultimately confident in the security, integrity, as well as the intuitive and responsive design of our map-based social media application.

With the completion of our application, we aim to have a successful launch that will be able to support a large userbase that can freely interact with each other. Thank you for your trust and collaboration.

Best regards,

Map Social Media Company Inc.

1. **Link to video**

**[no video yet]**