

EE/CprE/SE 492 WEEKLY REPORT 2

Start Date – End Date: 2/5/2026 - 2/15/2026

*Group number: **sdmay26-16***

*Project title: **RENOVA***

*Client &/Advisor: **Md Maruf Ahamed***

Team Members & Roles:

- ***Prakeerth Regunath: Frontend & Scheduler/Organizer***
- ***Onur Onal: Project Lead/Project Manager & Full-stack***
- ***Kemal Yavuz: Full-stack***
- ***Erroll Barker: Lead Frontend UX/UI***
- ***Bae Meh: Backend***
- ***Om Sanghvi: Backend***

Weekly Summary

This week, we improved the Pinterest integration by fixing UI compression issues and preventing duplicate connection rate limits, while progressing on the new AI Generations page. We enhanced the moodboard editor with functional text and pen tools, validated backend services and deployment pipelines, refined frontend-backend integrations for stable data rendering, began redesigning the account page for a more seamless in-app experience, and started developing the Explore page feature to allow users to copy and personalize existing moodboards.

Past Week's Accomplishments

- **Prakeerth Regunath:** I started by creating two separate branches to keep development organized and focused. One branch was dedicated to improving the visuals of the Pinterest Integration, while the other focused on building out the new AI Generations page. I began working on the Pinterest Integration branch first, addressing several UI issues, including visual compression issues that affected layout consistency and the overall user experience. In addition to the design improvements, I also worked on preventing rate limit errors that occurred when a Pinterest account was connected multiple times. This involved refining how connections were handled to prevent duplicate requests and ensure the integration remained stable and reliable.
- **Onur Onal:** This week I focused on extending the moodboard editor page by implementing some of the targeted features in the BoardActions component. The buttons for adding text boxes and pen markups to the board are now working although it needs some refinement. Text and pen markup boxes can be duplicated, resized,

rotated, cropped, and font size can be adjusted for text boxes. I also assigned tasks to Kemal and Prakeerth, and assisted Prakeerth with debugging the rate limiting blocker he came across when refining the PinterestView in the moodboard editor sidebar.

- **Om Sanghvi:** Focused on testing the overall system workflow to ensure all backend services, authentication processes, and deployment pipelines function correctly. Verified that the CI/CD automation, Docker containers, and VM deployment operate as expected while identifying areas that require additional validation.
- **Erroll Barker:** Started addressing the rushed items on the account page and fixing small bugs throughout. The goal is to make the page more user-friendly and avoid redirecting users to Stripe, since keeping them within the Renova page looks more professional. I'm also reviewing Stripe documentation to determine whether we can display card details in-app; this may require additional authentication (e.g., two-factor) and updates to our policy page. Overall, progress is focused on redesigning the account page to match the theme of the Dashboard and Moodboard pages.
- **Kemal Yavuz:** Continued improving integration across the website by refining frontend and backend connections. Made further progress on the list view feature, focusing on structure, API alignment, and ensuring stable data rendering. Resolved minor inconsistencies between frontend components and backend responses to maintain smooth functionality.
- **Bae Meh:** This week, I began working on the Explore page feature and started making initial progress toward improving its functionality and overall user experience. One of the primary enhancements I am currently developing is the ability for users to copy an existing moodboard, save it as their own, and edit or personalize it for future use. This planned feature is intended to encourage creativity and make it easier for users to build upon existing inspiration rather than starting from scratch.

Individual Contributions Table

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Prakeerth Regunath	Improved the Pinterest Integration, reduced visual clutter, and added a delay when connecting to the account to prevent rate limits.	6	10
Om Sanghvi	Conducted full workflow testing across backend services, deployment pipeline, and authentication system.	6	10
Erroll Barker	Started redesigning the account page. Also investigating whether we can pull card details from Stripe and/or update user information in Renove, then redirecting the users to Stripe to manage and edit their account information.	6	10
Onur Onal	Implemented text boxes and pen markup features on moodboard canvas, assigned tasks to Kemal and Prakeerth, helped Prakeerth debug rate limiting blocker on sidebar pinterest view.	8	18

Kemal Yavuz	Continued development of list view feature, Debugged integration issues affecting data display, Ensured smoother overall application behavior	4	8
Bae Meh	began working on the other Explore page feature.currently developing is the ability for users to copy an existing moodboard, save it as their own, and edit or personalize it for future use	4	8

Plans for the upcoming week

- **Prakeerth Regunath:** By next week, I hope to finalize the AI Generations section on the main page, which will showcase the user's Seedream AI generations in a clean and intuitive layout. This includes completing the UI design, ensuring the generated content is fetched and displayed efficiently, and handling loading and empty states properly.
- **Onur Onal:** I plan on continuing the development of the moodboard editor. The newly implemented text box and pen markup features need work with proper bounding box sizing. We also want pinterest pins to be added into moodboards so I will work on that as well. Lastly, I will collaborate with Kemal to get an update on the moodboard list view and provide assistance to him wherever I can.
- **Om Sanghvi:** Continue comprehensive testing of all workflows, implement improvements based on identified issues, and ensure the system is stable, secure, and ready for final demonstration.
- **Bae Meh:** Next week, I plan to focus on backend development to support the new Explore page functionality. This will include setting up the necessary data structures to allow users to copy, save, and edit moodboards in their accounts. I will also work to ensure that duplicated moodboards are stored correctly and retrieved efficiently without affecting performance.
- **Kemal Yavuz:** Continue developing and refining the list view feature, including improving UI behavior and backend data handling. Further optimize frontend-backend interactions to ensure consistent rendering and performance. Conduct additional integration testing to confirm smooth functionality across related components.
- **Erroll Barker:** Finishing up the account page redesign and exploring what data we can securely retrieve from Stripe regarding saved cards, as well as whether that information can be edited directly within Renova. Also continuing to refine and improve the overall UI/UX.

Rough Sketches/Drafts

Updated Pinterest Board View

Pinterest

AI Gen

Generations

 pkregu22

Refresh

Disconnect

Pinterest Boards



Furniture

8 pins



Sofas

1 pins

Updated Pinterest Pin View

 pkregu22

Refresh

Disconnect

◀ Back to Boards



Cindy Crawford Telluride Brown Dark Wood Side Dining Chair



N

Text box and pen markup features

Project Name : My test moodboard



Pending issues

Summary of Weekly Advisor Meeting

We met with Professor Maruf this week on Tuesday and shared updates on how our faculty presentation went last semester and the feedback we received from the panel. We talked about our goals for the semester and then each team member briefly spoke about the tasks they were assigned for the coming week.