

Patchwork

Team: Anna DeBarro, Inna Gruneva, Jack Lund, Emily Mayer

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Project Timeline

Week 2-3 Planning & Setup

Goal: define project objectives and create founding documents

1. Project setup, requirements finalized, repo created **Anna DeBarro**
2. Define app features & user stories + make the presentation **ALL MEMBERS**
3. Set up development environments (VS Code, Node.js, Python/Flask, MongoDB) **Jack Lund**
4. Set up project management board (Microsoft Planner) **Anna DeBarro**
5. Sketch UI wireframes for frontend **Inna Gruneva**

Week 4 Frontend & Backend Initial Setup

Goal: basic frontend and backend skeletons running

1. Initialize React project **Jack Lund**
2. Create basic frontend pages (Home, Login, Registration, Inspiration Feed) **Inna Gruneva**
3. Set up Node.js + Express server **Inna Gruneva**
4. Implement REST API endpoints for users, posts **Anna DeBarro**
5. Set up MongoDB database and schemas **Emily Mayer**
6. Connect backend to database **Emily Mayer**

Week 5 Core Features Implementation

Goals: Enable user accounts, posting, and basic feed

1. User authentication (signup/login with JWT + bcrypt) **Emily Mayer, Anna DeBarro**
2. Post creation, saving, liking functionality **Inna Gruneva**
3. Display posts in React frontend via REST API **Jack Lund**
4. Upload images with Multer + Cloudinary **Inna Gruneva**
5. Implement basic feed layout (pins/cards) **ALL MEMBERS**

Week 6 Recommendations & Analytics

Goals: Style inspiration, recommendations, and analytics

1. Python + Flask microservice for recommendation logic **Jack Lund**

2. Analyze popular posts and generate suggested posts **Emily Mayer**
3. Connect Flask service with Node.js backend **Anna DeBarro**
4. Display recommendations in frontend feed **Inna Gruneva**
5. Test recommendation algorithm with sample data **Anna DeBarro, Jack Lund**

Week 7 Testing & Polishing

Goals: Debugging, testing, and UI improvements

1. Test API endpoints using Postman **Anna DeBarro**
2. Unit tests for backend functions **Anna DeBarro, Jack Lund**
3. Debug frontend display issues **Emily Mayer**
4. Improve UI/UX and styling **Inna Gruneva**
5. Integrate optional features like search/filter **Inna Gruneva**

Week 8 Deployment & Final Submission

Goals: Finalize project, deploy, and prepare submission

1. Deploy backend (Render / Railway / AWS) **Jack Lund, Anna DeBarro**
2. Deploy frontend (Vercel) **Inna Gruneva**
3. Test full system end-to-end **Emily Mayer**
4. Prepare project documentation **Anna DeBarro**
5. Final check & submission **ALL MEMBERS**