

# Project Roadmap: LinkUp Development

## Week 1: Project Initialization & Planning (30 Jan - 5 Feb)

- 30 Jan: Project introduction and overview
- 31 Jan: Introduction to Next.js, SSR, and SSG
- 1 Feb: Project setup and environment configuration
- 2 Feb: Designing database schema and creating Mongoose models
- 3 Feb: Implementing user registration and setting up authentication routes
- 4 Feb: Testing API endpoints using HTTP clients and implementing login
- 5 Feb: Configuring Multer for file uploads and updating profile pictures

## Week 2: Backend Development & Profile Management (6 Feb - 12 Feb)

- 6 Feb: Implementing user profile update and retrieval functionality
- 7 Feb: Exploring and planning PDF download functionality
- 8 Feb: Implementing user profile download as a PDF
- 9 Feb: Developing connection request functionality
- 10 Feb: Implementing soft delete functionality using a delete flag
- 11 Feb: Implementing CRUD operations for user comments
- 12 Feb: Introduction to Redux and project bundle optimization with BundlePhobia

## Week 3: Frontend Architecture & UI Development (13 Feb - 19 Feb)

- 13 Feb: Configuring API connections for frontend
- 14 Feb: Setting up Redux for state management and authentication
- 15 Feb: Designing the home/landing page wireframe
- 16 Feb: Exploring styling methodologies in React.js
- 17 Feb: Developing and implementing the landing page UI
- 18 Feb: Designing authentication components and UI elements
- 19 Feb: Connecting authentication features with backend services

## Week 4: Dashboard & Post Management (20 Feb - 26 Feb)

- 20 Feb: Creating the dashboard and implementing the posts reducer
- 21 Feb: Integrating the dashboard with Redux state management
- 22 Feb: Utilizing pure CSS techniques to design the dashboard layout
- 23 Feb: Styling UI components for displaying posts on the dashboard
- 24 Feb: Implementing API integration for retrieving and posting content
- 25 Feb: Developing post feed functionality
- 26 Feb: Fetching posts from API and displaying them in a card-based layout

## **Week 5: Enhancing User Engagement (27 Feb - 5 Mar)**

27 Feb: Implementing post-sharing functionality  
28 Feb: Refining and improving post-sharing mechanics  
1 Mar: Designing the UI for comment functionality  
2 Mar: Implementing API-based comment retrieval and posting  
3 Mar: Developing the 'Discover Users' feature  
4 Mar: Enabling user profile navigation through the Discover feature  
5 Mar: Finalizing the user profile UI and related functionalities

## **Week 6: User Interactions & Search Implementation (6 Mar - 12 Mar)**

6 Mar: Implementing real-time notifications for user interactions  
7 Mar: Setting up the user settings page  
8 Mar: Integrating user settings with backend services  
9 Mar: Conducting tests on user settings functionality  
10 Mar: Implementing a search feature for discovering users  
11 Mar: Testing and refining the search functionality  
12 Mar: Reviewing and improving overall user experience

## **Week 7: Pre-Deployment & Code Optimization (13 Mar - 19 Mar)**

13 Mar: Preparing the project for deployment  
14 Mar: Configuring environment variables for security and scalability  
15 Mar: Finalizing API endpoints and backend logic  
16 Mar: Conducting an internal code review  
17 Mar: Addressing feedback and implementing necessary improvements  
18 Mar: Performing comprehensive feature testing  
19 Mar: Preparing technical documentation and user guides

## **Week 8: Deployment & Post-Launch Optimization (20 Mar - 26 Mar)**

20 Mar: Deploying the application to the production environment  
21 Mar: Monitoring application performance and system logs  
22 Mar: Collecting user feedback and analyzing usability issues  
23 Mar: Resolving post-deployment issues and bugs  
24 Mar: Planning and documenting future enhancements  
25 Mar: Conducting a final project review  
26 Mar: Retrospective and project wrap-up

## **Final Week: Testing & Handover (27 Mar - 31 Mar)**

27 Mar: Conducting comprehensive testing and QA analysis  
28 Mar: Executing user acceptance testing (UAT)  
29 Mar: Implementing final adjustments based on testing feedback  
30 Mar: Preparing documentation for project handover  
31 Mar: Official project handover and closure