Step 1: Define the Requirements

**A. User-Created Goals**

* 1. **Initial Goal Creation**: When a new user signs up, they will be prompted to create their first goal (e.g., fitness).
  2. **Goal Examples**: Fitness, Diet, Productivity, Learning, Socializing.

**B. Daily Prompts**

* 1. **User Prompt**: At the end of each day, users will receive a prompt asking how they think they did on their goals.
  2. **Rating Scale**: Users will rate their performance on each goal using a scale from -5 to +5.

**C. Chart Visualization**

* 1. **Stock Chart-like Visualization**: Display the user’s progress as a stock chart with daily data points.
  2. **Averaging Scores**: When users have multiple goals, the daily scores will be averaged to produce a single data point for the chart.

**D. Goal Progression and Unlocking New Goals**

* 1. **Unlocking New Goals**: When a user's stock reaches a certain threshold (e.g., 25 points), they unlock a new goal.
  2. **Up to 5 Goals**: The process continues until the user is working on up to 5 goals.
  3. **Daily Rating**: Users rate their performance on all active goals each day.

**E. Additional Features**

* 1. **Historical Data**
     1. Allow users to view their ratings over different time periods (e.g., weekly, monthly).
     2. Provide the ability to see past ratings for each goal individually.
  2. **Notifications**
     1. Send daily reminders to users to input their ratings.
  3. **User Authentication**
     1. Allow users to create accounts to save their data.
  4. **Goal Graduation**
     1. If a user is very consistent with one goal, they will graduate from it and be asked to create a new goal, indicating mastery of the previous goal.

Step 2: Design Phase

**A. Onboarding and Goal Creation Screen**

A screenshot of a goal description

Description automatically generated

1. **Daily Prompt Screen**

**A screenshot of a cell phone

Description automatically generated**

1. **Chart Visualization Screen**

**A screenshot of a phone

Description automatically generated**

1. **Historical Data Screen**

**A screenshot of a screen

Description automatically generated**

**Development Planning**

1. **Technology Stack Selection**:
   * **Frontend**:
     + **Web**: HTML, CSS, JavaScript (with a framework like React or Vue.js).
     + **Mobile**: React Native (to share code between web and mobile) or Flutter.
   * **Backend**:
     + Node.js with Express, or Python with Django/Flask.
   * **Database**:
     + MongoDB (NoSQL) or PostgreSQL (SQL), depending on your data needs.
   * **Hosting/Deployment**:
     + AWS, Google Cloud, or Vercel (for frontend) and Heroku (for backend).
2. **Project Setup**:
   * **Version Control**: Set up a Git repository on GitHub or GitLab.
   * **Project Management**: Use tools like Jira, Trello, or GitHub Projects to track progress and manage tasks.
3. **Development Phases**:
   * **Phase 1: Frontend Development**:
     + Implement the user interface based on the finalized design.
   * **Phase 2: Backend Development**:
     + Set up the server, database, and API endpoints.
   * **Phase 3: Integration**:
     + Connect the frontend with the backend, ensuring smooth data flow.
   * **Phase 4: Testing**:
     + Conduct unit, integration, and user acceptance testing.
   * **Phase 5: Deployment**:
     + Deploy the app to the selected hosting platform and release it to users.
4. **Timeline and Milestones**:
   * **Milestone 1**: Basic UI implementation (2-3 weeks).
   * **Milestone 2**: Backend setup and integration (2-3 weeks).
   * **Milestone 3**: Testing and bug fixing (2 weeks).
   * **Milestone 4**: Final deployment and release (1 week).