Part 1: Website Proposal

Website Name: RecipeHub

Description of Topic

RecipeHub is a collaborative cooking platform where home chefs can discover, share, and customize recipes. Users can browse a range of dishes submitted by the community, each containing ingredient lists, step-by-step instructions, and photos. Members save favorites to their personal cookbook, adjust ingredient quantities with a built-in scaling tool, and leave ratings or comments after trying a recipe. Administrators create featured recipes, moderate content, and organize seasonal or themed cooking challenges. With secure user accounts and role-based permissions, RecipeHub fosters a friendly environment for culinary exploration and learning.

Page List

1. **Home**: Latest featured recipes, trending dishes, and a search bar to jump straight into cooking.
2. **Browse Recipes**: Filterable gallery of community recipes with previews, dietary tags, and sorting options.
3. **My Cookbook**: Personal dashboard where users save, organize, and scale their favorite recipes.
4. **Submit Recipe**: Form for users to contribute new recipes with ingredient inputs, upload images, and preview cards.
5. **Admin Dashboard**: (Admin-only) Approve or decline user submissions, manage featured challenges, and handle content moderation.

Data Storage, Manipulation, and Viewing

What We Store

- **Users**: Each member has a unique ID, username, email, secure password hash, and a role (admin or member).
- **Recipes**: Every recipe includes an ID, title, description, ingredient list (with quantities and units), step-by-step instructions, images, author info, and tags.
- **Ratings**: Members can rate recipes (1–5 stars) and leave comments tied to recipe and user IDs.

Manipulation:

- Members can add, edit, or delete their own recipes and submit ratings or comments.
- Administrators can approve or reject recipe submissions, feature recipes on the homepage, and remove inappropriate content.
- Secure authentication and session handling ensure only authorized actions are performed.

Viewing:

- Visitors browse recipe galleries with filters and previews.
- Logged-in users view and manage their personal cookbook and session history.
- Administrators access a dashboard for content moderation and analytics.