Table 1: Stories, acceptance tests, and contributors for Release 1.x (Green=Passed; Red=Failed).

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| **User Story Description** | **Acceptance Criteria/Test(s)** | **Contributing Developer(s)** |
| As a Food Blogger and event planner, I want to explore latest recipes on the website. | Test with inputs: Click "Explore Latest" button | Ashutosh Kansal |
|  | Expected outcome: Latest recipes displayed prominently on homepage or in a designated section |  |
|  |  | Harjit Singh Gill |
|  | Test with inputs: Click on the latest recipe |  |
|  | Expected outcome: High-quality images, comprehensive recipe details |  |
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| As an Event Planner, I want to be able to write special notes in a recipe. | Test with inputs: Add special notes to a recipe | Harjit Singh Gill, Ling Lin |
|  | Expected outcome: Successfully added notes to a recipe |  |
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|  | Test with inputs: View menu management system | Meskhat Hossain |
|  | Expected outcome: Special notes displayed alongside recipes in the event menu |  |
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| As a Guest User, I want to navigate the website to learn about its purpose, read testimonials, and easily find a way to contact the team. | Test with inputs: Explore "About Us" section | Ashutosh Kansal, Rahul Garg |
|  | Expected outcome: Clear understanding of website's mission and objectives |  |
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|  | Test with inputs: View testimonials | Harjit Singh Gill |
|  | Expected outcome: Gain confidence in the website's credibility and positive user experiences |  |
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| As an Administrator and recipe contributor, I need to manage user-generated content, including recipes and user accounts. | Test with inputs: Log in as administrator or contributor | Rahul Garg |
|  | Expected outcome: Successfully access the dashboard | Ling Lin |
|  |  | Meskhat Hossain |
|  | Test with inputs: Navigate to "Recipe Management" section |  |
|  | Expected outcome: See a list of user-generated recipes and associated user accounts |  |
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|  | Test with inputs: Click on a user account or recipe card | Harjit Singh Gill |
|  | Expected outcome: Directed to the appropriate user account details or recipe editing page |  |
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| As a Home Cook or Recipe Collector, I want to view complete recipe details. | Test with inputs: Click on a recipe card | Ashutosh Kansal |
|  | Expected outcome: New page with complete recipe details |  |
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|  | Test with inputs: Scroll through recipe details | Ling Lin |
|  | Expected outcome: Easily read and understand the recipe |  |
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|  | Test with inputs: Add the recipe to a personal collection | Ling Lin |
|  | Expected outcome: Recipe is added to the user's collection |  |
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| As a Recipe Collector, I want a button that gives me random recipes to try for fun. | Test with inputs: Click "Random Recipe" button | Ashutosh Kansal, Rahul Garg |
|  | Expected outcome: System displays a random recipe | Harjit Singh Gill |
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|  | Test with inputs: View selected random recipe details | Ling Lin |
|  | Expected outcome: Complete recipe with ingredients, instructions, and user comments |  |
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| As a Recipe Contributor, I want to make improvements to my existing recipes. | Test with inputs: Log in as recipe contributor | Ashutosh Kansal, Rahul Garg |
|  | Expected outcome: Access dashboard with options to manage recipes | Harjit Singh Gill, Ling Lin |
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|  | Test with inputs: Navigate to "My Recipes" section | Harjit Singh Gill, Ling Lin |
|  | Expected outcome: Select and load the recipe for editing |  |
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|  | Test with inputs: Make necessary changes and update recipe | Harjit Singh Gill, Ling Lin |
|  | Expected outcome: Successfully update and save the recipe |  |
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| As an Administrator or Recipe Moderator, I want to have access to a dashboard where I can monitor and manage user-generated content, including recipes and user accounts. | Test with inputs: Log in with admin/moderator credentials | Rahul Garg |
|  | Expected outcome: Successfully access the dashboard |  |
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|  | Test with inputs: View list of submitted recipes | Ling Lin, Meskhat Hossain |
|  | Expected outcome: Options to approve, edit, or reject them |  |
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|  | Test with inputs: Click on "Manage User Accounts" | Ling Lin, Meskhat Hossain |
|  | Expected outcome: Ability to view and take actions on user accounts, including suspension or promotion |  |
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| As an Administrator or Recipe Moderator, I want to have the ability to edit or remove content that violates guidelines and provide feedback to the user. | Test with inputs: Click on problematic recipe or content | Meskhat Hossain |
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|  | Test with inputs: Provide feedback to the user | Ling Lin, Meskhat Hossain |
|  | Expected outcome: Clear communication about guideline violations and suggestions for improvement |  |
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| As a Guest User, I want to be able to browse recipes on the website without the need to register or log in. | Test with inputs: Click website's "Home" button | Ashutosh Kansal, Rahul Garg |
|  | Expected outcome: Ability to view full recipe details without registration or login barriers |  |
|  |  |  |
|  | Test with inputs: Use search functionality | Ling Lin |
|  | Expected outcome: Perform searches and access search results without creating an account or logging in |  |
|  |  |  |
| As a Cooking Educator, I would like to see In-Depth Recipe Previews for Teaching. | Test with inputs: Select a recipe from curated list | Ashutosh Kansal, Harjit Singh Gill |
|  | Expected outcome: Display preview with title, cuisine, and brief description |  |
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|  | Test with inputs: Click "View Full Recipe" button | Ashutosh Kansal, Harjit Singh Gill |
|  | Expected outcome: Thorough assessment of recipe's suitability for teaching |  |
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| As a Professional Chef, I want to be able to browse recipes by cuisine category. | Test with inputs: Select "Browse by Cuisine" option | Ashutosh Kansal, Harjit Singh Gill, Ling Lin |
|  | Expected outcome: Page with curated list of recipes from chosen cuisine |  |
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|  | Test with inputs: Select a specific cuisine category | Ashutosh Kansal, Harjit Singh Gill, Ling Lin |
|  | Expected outcome: Explore detailed information about the selected recipe |  |

**Demo URL:** [**https://youtu.be/FcR5n-jepiY**](https://youtu.be/FcR5n-jepiY)

**CHALLENGES AND SOLUTIONS**

**Integration and Coordination:**

**Challenge:** Ensuring smooth integration and coordination among diverse team members.

**Solution:** Regular team meetings, effective communication, and version control systems to track changes.

**Data Security Concerns:**

**Challenge:** Managing user-generated content raised concerns about data security and privacy.

**Solution:** Implemented robust encryption protocols, access controls, and regular security audits.

**User Experience Consistency:**

**Challenge:** Maintaining a consistent user experience across different functionalities.

**Solution:** Established design systems, user experience guidelines, and regular design reviews.

**Testing Complex Interactions:**

**Challenge:** Testing interactions between various user roles (administrators, contributors, guests).

**Solution:** Implemented a comprehensive testing strategy, including unit, integration, and end-to-end tests.

**Scalability Concerns:**

**Challenge:** Ensuring scalability as the user base grows.

**Solution:** Designed the system with scalability in mind, utilized cloud-based services, and conducted regular performance testing.