

Requirement Stack

Created on 10/17 by A.W.I.

Requirement ID	Description of Requirement	Status	Story Points	Priority	Sprint No.
1	Implement user authentication	Not started	8	1	1
1.1	Design and set up user database schema (e.g., using Firebase Auth or a custom solution)	Not started	3	1	1
1.2	Create Login and Registration UI screens and forms	Not started	5	1	1
2	Create main UI layout	Not started	5	1	1
2.1	Implement core navigation structure (e.g., Bottom Nav Bar or Drawer)	Not started	3	1	1
2.2	Create a reusable and themable base screen template	Not started	2	3	1
3	Develop ingredient input with manual entry	Not started	5	4	1
3.1	Build a user-friendly input field with auto-suggestions for common ingredients	Not started	3	4	1
3.2	Implement a dynamic list to display, edit, and remove entered ingredients	Not started	2	1	1
4	Call spoonacular REST API	Not started	8	1	2
4.1	Manipulate API data: Parse and transform API response into app-specific recipe model objects	Not started	5	1	2
4.2	Implement robust error handling and loading states for the API call	Not started	3	3	2
5	Add diet features (filtering ingredients)	Not started	6	3	2
5.1	Create a settings/preferences screen for users to select dietary restrictions	Not started	3	3	2
5.2	Integrate dietary filters into the spoonacular API request and client-side ingredient filtering	Not started	3	4	2
6	Develop image upload and ingredient identification	Not started	13	2	3
6.1	Implement image capture/selection from device gallery	Not started	5	5	3
6.2	Integrate with a Computer Vision API (e.g., Google Vision, Clarifai) to identify ingredients from the image	Not started	8	3	3
7	Implement recipe saving protocol for users	Not started	5	2	3

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Requirement ID	Description of Requirement	Status	Story Points	Priority	Sprint No.
7.1	Allow users to put saved recipes in a shared space	Not started	5	5	3
7.2	Design and implement the database structure for user-specific and shared recipe collections	Not started	5	3	3
8	Create meal planner with grocery list generation	Not started	8	2	4
8.1	Build a weekly calendar view for assigning saved recipes to specific days	Not started	5	4	4
8.2	Develop a feature to automatically aggregate ingredients from the weekly plan into a single, de-duplicated grocery list		8	2	4
9	Finish and test UI	Not started	8	3	4
9.1	Add additional UI gloss and functionality	Not started	5	4	4
9.2	Conduct comprehensive UI/UX testing across multiple devices and screen sizes		3	3	4