PROJECT REQUIREMENTS

Project Name	Community Meal Planner Forum

Terminology Definitions

Forum	A group of topics
Post	A single comment made by a member of the forum
Topic	A matter of discussion
Thread	A post and it's reply posts
WYSIWYG	What You See Is What You Get, a term referring to editing software that allows the user to see the finished product while editing

Functional Requirements

No.	Description
Forum Structure Requirements	
1	Community members shall be able to create posts about topics
2	The forum shall have the following topics: sustainable practices, tools, recipes, general practices, education; with sub-topics: critique, praise, general discussion, suggestion
3	Every replyable (non-announcement) thread should be able to be replied to by any community member
4	The original poster and any forum administrator shall be the the only persons with the ability to close a thread as complete
5	In closing a thread as complete, there shall be the following options for completeness: complete with resolution, complete without resolution
6	In completing a thread as complete with resolution, the resolving comment or summarized resolution shall be provided by the closer. The comment or summary will then be available at the top of the thread alongside the original comment for convenience.
7	Should the wrong resolving comment be linked, or the thread not truly be closed, the original poster and any forum administrator shall be able to re-open the thread to replies
8	The forum shall be searchable for posts containing provided keywords by the interested party
9	The forum shall be filterable by topic and completeness in conjunction with the search functionality
Forum Account Requirements	

1	The application shall allow for the creation of administrator accounts for moderation purposes of: issuing warnings, identifying off-topic content, closing topics, and making announcements
2	Community member accounts shall require a username (self-defined) and any combination of titles, from the following titles: Developer, Company Representative, Meal Planner, Still Deciding, Sustainable Practicer, and Mentor
3	Community member accounts shall have an optional "About me" section for which members may or may not describe themselves or provide useful information as they see fit
4	Administrators shall be able to upgrade non-administrator accounts to administrator as per mutual agreement among existing administrators

The process for community members to become an administrator (application process) shall be decided by the community and considered before administrators upgrade non-administrators.

Technical/Performance Requirements

No.	Description
Application Feature Requirements	
1	The application shall provide a text editor (WYSIWYG) for making posts*
2	The application shall provide an option to specify a particular recipe for discussion from an existing database of recipes**
Application Safe-Fail Requirements	
1	In the case an operation within the application fails the user shall be notified of the presumed cause of failure and suggestions to fix, if any, by means of alert dialog
Application Security Requirements	
1	The application must prevent community members from submitting input that exploits security or creates a web attack on other members (input sanitization)
Application Performance Requirements	
1	The application shall adhere to performance best practices for the implementation chosen***, avoiding poor practices which are known to degrade performance

Since Flutter isn't an HTML renderer, there are limitations on the text editors available using Flutter. Markdown is a suitable choice.
*** This functional requirement exists as an endpoint for future users of the application to use their own databases, and are not limited to recipes as the content*
*** For example, Flutter describes performance best practices to prevent excessive battery use on mobile devices*