Recypy Configuration Management Plan

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1. Introduction

   1.1.   <u>Purpose</u>

The purpose of this project is to create a recipe sharing social media platform, in which users can post their own recipes and also discover recipes made by others.

   1.2.   <u>Scope</u>

Currently, the scope of this project is limited to its use as a class project. The development team has not agreed to further work on this project past the Spring 2021 course end date, and there are no plans to finalize the application for public use.

   1.3.   <u>Key Terms</u>

Terms used throughout this document are generally standard for the field. As such, no explicit dictionary of key terms is provided.

2. SCM Management

   2.1.   <u>Organization</u>

Any changes to documentation will be carried out by the Documentation Team. Changes to the software itself will be implemented by the Development Team.

   2.2.   <u>Responsibilities</u>

Board #1: Documentation
- *Purpose and objectives*
    - *create and modify documents*
    - *organize to-do lists*
    - *keep track of progress*
    - *supervise kanban board*
    - *create mockups*
    - *create media, logos, etc*

- *Period of effectivity*
  the Spring 2021 semester

- *Scope of authority*
    - *give input on software development*
    - *help with software development as needed*
    - *full authority on documentation*

Board #2: Development
- *Purpose and objectives*
    - *front end development*
    - *back end development*

- *Period of effectivity*
  the Spring 2021 semester

- *Scope of authority*
    - *give input on documentation*
    - *help with documents as needed*
    - *full authority on software development*

2.3.   Applicable Policies, Directives, and Procedures
External constraints placed on the SCMP.
This project is in alignment with all policies at the University of Maine, as well as any procedures required by the Software Engineering course taught by professor Sepideh Ghanavati.

3.   SCM Activities

3.1.   Configuration Identification
Configuration procedures include requesting, evaluating, and carrying out changes to the software and SCM plan.

3.2.   Configuration Control
 3.2.1.   Requesting changes
At this time, changes to the software can be requested by any member of the development team.

 3.2.2.   Evaluating changes
Any changes to software will be evaluated based on practicality, ease of use, and ease of implementation.

 3.2.3.   Approving or disapproving changes
Changes will be approved only if every member of the development team is in agreement. Otherwise, further evaluation will occur.

 3.2.4.   Implementing changes
Changes will be implemented by the development team in order of priority.

3.3.   <u>Configuration Status Accounting</u>

Metrics to be Recorded	Type of Report
User Stories and Progress	Product Backlog and Sprint Backlog Excel Sheets
Team Meetings	Sprint Review Documents
Individual Progress	Trello Board

3.4.   <u>Configuration Evaluation and Reviews</u>
Each configuration has an objective related to the corresponding user story. Evaluation and Review of each configuration will be carried out by the entire team during the team's weekly meeting. The configuration will be approved if the user story has been carried out effectively.

3.5.   <u>Interface Control</u>
Any changes or updates to commonly used browsers will be reviewed by the team and tested in correlation with the application. Updates to the application will be developed as necessary.

3.6.   <u>Release Management and Delivery</u>
Formal control of version builds and releases will be controlled by Spencer Campbell.

4.   SCM Schedules

4.1.   <u>Sequence and Coordination of SCM Activities</u>
Updates to the software, at this stage, will be ongoing and will occur in the order of priority in correlation with the user stories. Updates to documentation will occur as necessary and/or as requested by members of the team.

4.2.   <u>Relationship of Key SCM Activities to Project Milestones and Events</u>
Every time a user story is completed, a project milestone will occur. Whenever a milestone is hit, the team will evaluate and review the current progress, and request any updates needed.

4.3.   <u>Schedule of Milestones and Events</u>
Schedule either as absolute dates, relative to SCM or project milestones or as sequence of events.

Date	Milestone/Event
03/01/2021	Login Page Created
03/29/2021	Recipe Card Format Added
04/08/2021	Searching Function Added

5. SCM Resources

5.1.   Basic Resource Information
Identifies environment, infrastructure, software tools, techniques, equipment, personnel, and training.

5.1.1.   Environment
This application is intended to run on a web page, and therefore should be available to windows, mac, and linux computers. Mobile compatibility is not a feature that is currently in development.

5.1.2.   Infrastructure
This application will run using PhP (laravel), and SQL.

5.1.3.   Software Tools
The project will use Semantic UI to assist in developing the user interface.

5.1.4.   Personnel
The project is being developed and documented by Spencer Campbell, Kingsley Wiafe-Kwakye, Jon Donnelly, Connor Bray, and Samantha LaRochelle.

5.1.5.   Training
All training has been instructed by Spencer Campbell.

5.2.   Key Factors for Infrastructure
Functionality, performance, safety, security, availability, space requirements, equipment, costs, and time constraints.

5.2.1.   Performance
The application should be able to load any page within 3 seconds. A recipe should be able to be posted within 30 seconds.

5.2.2.   Safety
This application includes the use of tags, which will be used to label recipes that are safe for people with certain allergies. The tags could also be used to label recipes that are safe for dogs or cats.

5.2.3.   Security
The application uses an encrypted login to ensure the security of users passwords. The application may eventually require strong passwords and allow users to change their passwords as well.

5.2.4.   Availability
This project should be available to anyone with a computer and internet access.

5.2.5.   Space Requirements
This application will be hosted on the web, so no storage space is required. A minimum of 4GB of RAM is recommended.

5.2.6.   Time Constraints
This application will cease development in early May of 2021, at the end of the Spring 2021 semester.

5.3.   Tools
Identify which tools are used in which activity.

Tool	Use
SQL	database
PhP	general programming
Semantic UI	user interface
GitHub	version control

6.   SCM Plan Maintenance

6.1.   Plan Monitoring
Who is responsible for monitoring the plan?
The plan will be monitored by Samantha LaRochelle.

6.2.   Update Frequency
How frequently are updates to be performed?
Updates will be performed as necessary, i.e. whenever changes are made that cause the plan to be out of date.

6.3.   Evaluation and Approval of Changes
How are changes to the plan to be evaluated and approved?
Changes to the plan will be evaluated by the entire development team, and approved only if every member agrees with the changes.

6.4.   Procedure for Changes
How are changes to the plan to be made and communicated?
Changes to the plan will be communicated to the entire development team, and carried out by Samantha LaRochelle.

6.5. <u>History of Changes</u>

History of changes made to the plan

Date	Change
04/11/2021	initial write-up of plan