**Recipe Finder Application**

**Concept of Operations**

**COP 4331, Fall, 2013**

Modification history:

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Who | Comment |
| v0.0 | 08/15/00 | G. H. Walton | Template |
| v1.0 | 08/28/13 | Team | Initial entry of Concept details |
| ... |  |  |  |

Team Name: <your team name here>

Team Members:

* Rachel Kinner [rachel.kinner@knights.ucf.edu](mailto:rachel.kinner@knights.ucf.edu)
* Vincenzo Marconi [vincenzo.marconi117@knights.ucf.edu](mailto:vincenzo.marconi117@knights.ucf.edu)
* Ronald Hyatt [enishi@knights.ucf.edu](mailto:enishi@knights.ucf.edu)
* Matt Bald [mbald@knights.ucf.edu](mailto:mbald@knights.ucf.edu)
* Brian McCormick [mccor140@knights.ucf.edu](mailto:mccor140@knights.ucf.edu)
* Josh Barnett [jbarnett@knights.ucf.edu](mailto:jbarnett@knights.ucf.edu)

Contents of this Document

[The Current System](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#CurrentSystem)

The Proposed System

* [Needs](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#Needs)
* [Users and Modes of Operation](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#UsersAndModes)
* [Operational Scenarios](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#OperationalScenarios)
* [Operational Features](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#OperationalFeatures)
* [Expected Impacts](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#ExpectedImpacts)
* [Analysis](http://www.cs.ucf.edu/courses/eel5881/ConOpsTemplate.html#Analysis)

**The Current System**

<brief description: 1 or 2 paragraphs>

No current system?

**The Proposed System: Needs**

<list or narrative description of the needs for a new or modified system. 1 paragraph to 1 page>

New system needed to aid college students in finding easy, healthy recipes with the ingredients they have on hand. This system needs to be cross-platform, simple, and have a variety of recipes for the variety of tastes/interests.

No time to cook

Don’t know what with limited resources

Nutritional facts

Equipment restraints (what tools required)

**The Proposed System: Users and Modes of Operation**

<Brief (1 - 3 sentences each) description of each class of user and each mode of operation for the proposed system>

User: There will be one class of user because there is no need for security around the recipes so each user will have the same access and

Quick and Easy Mode: This mode of operation will limit the results for the recipe searches to bring back only the recipes which are simple and require less tools.

Intermediate: This mode of operation will

Chef Mode: This mode of operation will allow all recipe types to be returned, regardless of complexity. (or bring back only those tagged as difficult)

**The Proposed System: Operational Scenarios**

<Brief (1 paragraph each) description of the major operational scenarios for the proposed system. Include typical scenarios and a few atypical scenarios (errors, high risk situations, etc.)>

Come back

**The Proposed System: Operational Features**

Must Have:

Ingredient Input With Exclusions

Recipe search

Food Safety Module

<list of these features, in priority order>

Would Like to Have:

Favorites/History and Popular

Drink recipes

Timer

Mobile Capabilities

Techniques for cooking Module

Substitutions

Cultural History of Food

<list of these features, in priority order>

**The Proposed System: Expected Impacts**

<Brief (1-2 paragraph) description of the expected impacts of the proposed system development and implementation>

Raise nutritional value of regular college student meals. Awareness of health. Easy app for all people to use. Universal user accessibility.

**The Proposed System: Analysis**

Expected Improvements: There is an app for this

Disadvantages: Less user interaction, limited number of recipes

Limitations: Lack of user knowledge, portability, accessibility, relies on database and internet connection

Risks: Database failure

Alternatives and Tradeoffs: <list them>