GUI Design

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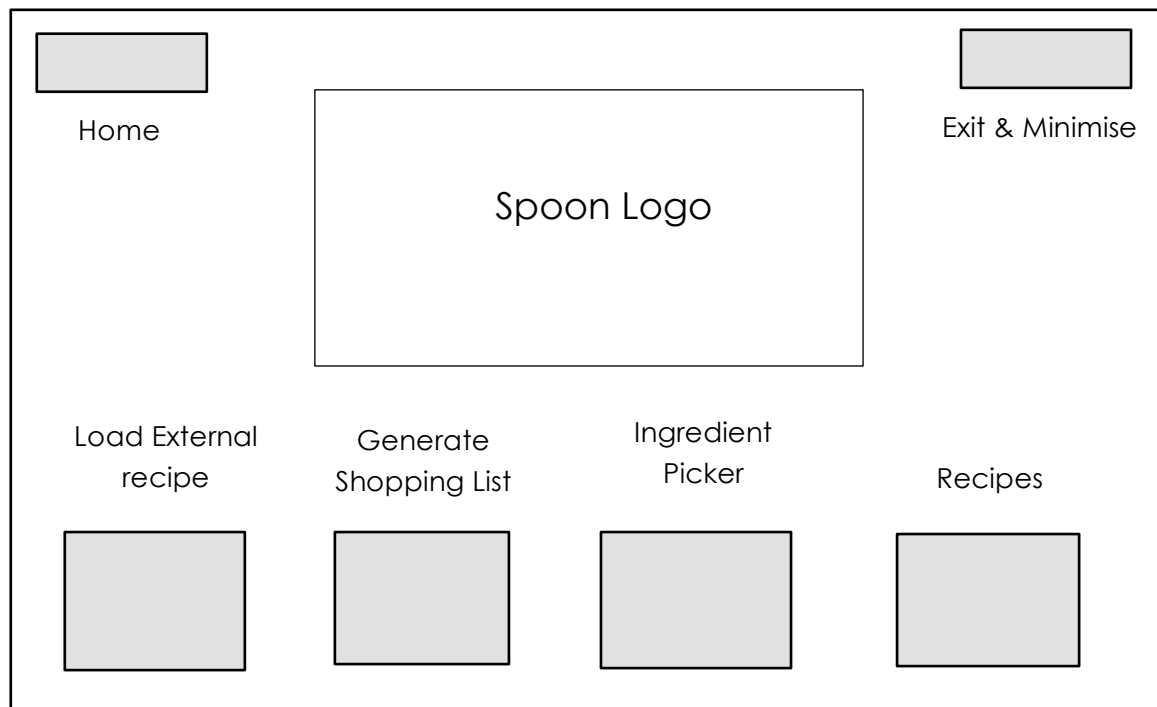
Document Control

Version Number	Modified By	Date	Section(s) Modified	Comments
1.0	*J. Caine*	*07/05/2014*	*All*	*Created document*
2.0	A.Gangotra & J.Oatley	03/06/2014	All	*Final GUI Design*

Contents

1 Main Menu

- Load external recipe
    - http button to launch http recipe access
    - file browser button to launch file browser

- Generate shopping list
    - Show current shopping list (not PDF)
    - Button for save to disk
    - Button for print?

2 Ingredient Picker

```
┌──────────────────────────────────────────────────────────────┐
│  ┌──────────────────┐                            ┌──────────┐  │
│  │  _____      │                            │          │  │
│  │     Recipe        │                            └──────────┘  │
│  │  _____      │                             Exit & Minimise│
│  │     Recipe        │     ┌────────────────────────────┐       │
│  │  _____      │     │                            │       │
│  │                   │     │   "Document" (recipe) Info │       │
│  │  ─── Recipe  ───  │     │                            │       │
│  │                   │     └────────────────────────────┘       │
│  │  ─── Recipe  ───  │     ┌──────────────────────┐  ┌───┐      │
│  │  _____      │     │                      │  └───┘      │
│  │                   │     │   List of Ingredients│             │
│  │     Recipe        │     │                      │  ┌───┐      │
│  └──────────────────┘      └──────────────────────┘  └───┘      │
│                         ┌──────────┐   Add to       ┌───┐      │
│                         └──────────┘   shopping list └───┘      │
└──────────────────────────────────────────────────────────────┘
```
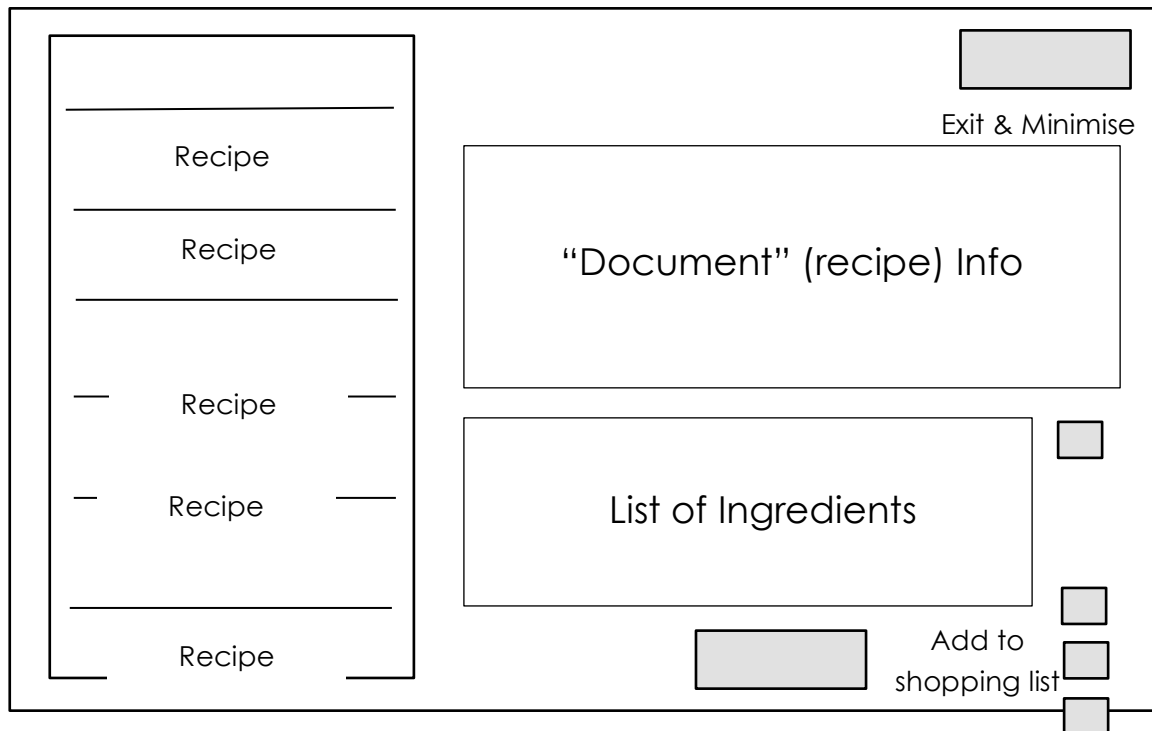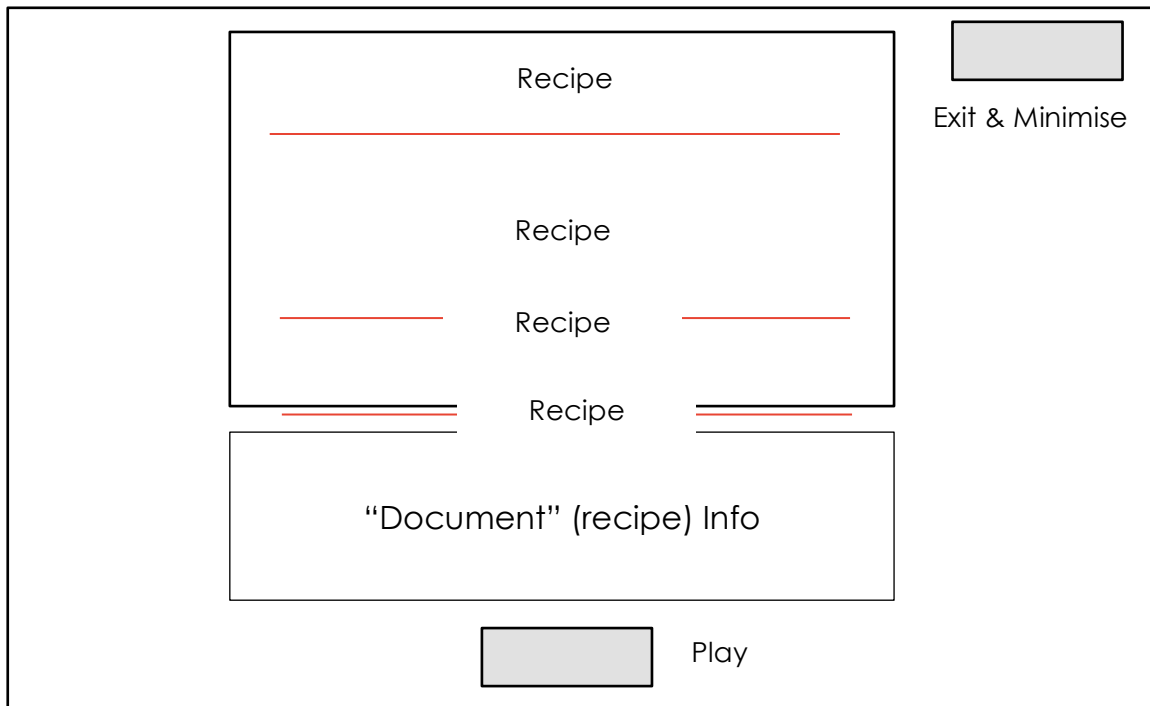
- Should be able to "select" recipe line
  - This should be a scroll pane

- Document info should be populated when recipe selected
  - Title
  - Author
  - Cooking time
  - Description

- Tick boxes next to each ingredient line

- When "add to shopping list" clicked anything ingredients ticked should be added to shopping list class ready to be retrieved.

3 Recipes

```
┌─────────────────────────────────────────────────────────────────────┐
│   ┌───────────────────────────────────────┐        ┌──────────┐      │
│   │              Recipe                    │        │          │      │
│   │   ─────────────────────────────────   │        └──────────┘      │
│   │                                        │        Exit & Minimise   │
│   │              Recipe                    │                          │
│   │   ────────        Recipe      ──────   │                          │
│   │   ──────  Recipe         ─────         │                          │
│   └───────────────────────────────────────┘                          │
│   ┌───────────────────────────────────────┐                          │
│   │         "Document" (recipe) Info       │                          │
│   │                                        │                          │
│   └───────────────────────────────────────┘                          │
│              ┌──────────┐  Play                                       │
│              └──────────┘                                             │
└─────────────────────────────────────────────────────────────────────┘
```

- Should be able to "select" recipe line
    - o   This should be a scroll pane

- Document info should be populated when recipe selected (possibly scroll pane?)
    - o   Title
    - o   Author
    - o   Cooking time
    - o   Description
    - o   List of ingredients?

- Play button should call new Slideshow() and follow workflow defined in section 6

4 Load External Recipe
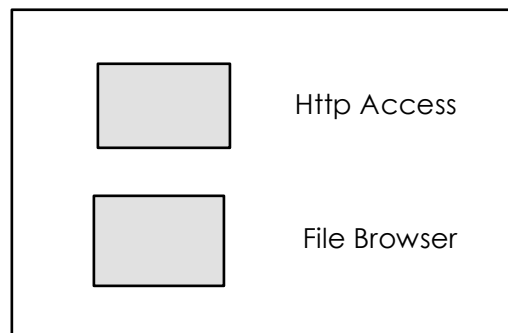
- Above window should ideally be a pop-up window over the main menu screen

- When either button is pressed the appropriate classes should be called, and the new recipe added to the local folder storing recipes.

5 Generate Shopping List

- Shopping list "preview" should just be text, doesn't need to be rendered PDF or anything

- Save button should open a file browser to be able to save the shopping list as a PDF to somewhere on disk

- Not sure about print button?

6 SlideShow Workflow

```
┌─────────────────┐              ┌─────────────────┐
│  Launch eCook   │─────────────▶│ Parse default   │
└─────────────────┘              │ recipes folder  │
         ┊                       └─────────────────┘
         ┊                                │
         ▼                                ▼
┌─────────────────┐              ┌─────────────────┐
│   Main Menu     │              │ Load recipes into│
└─────────────────┘              │   main menu     │
         │                       └─────────────────┘
         │                                │
         ▼                                ▼
┌─────────────────┐              ┌─────────────────┐
│  Select Recipe  │              │ Pre-fetch http  │
└─────────────────┘              │     media       │
         ┊                       └─────────────────┘
         ┊
         ┊                       ┌─────────────────┐
         ┊                       │ Fetch user made │
         ┊                       │     notes       │
         ▼                       └─────────────────┘
┌─────────────────┐                       │
│ Slide show starts│                      ▼
└─────────────────┘              ┌─────────────────┐
                                 │ Change handler  │
                                 │ paths to local  │
                                 │     URLs        │
                                 └─────────────────┘
```

Launch eCook

Parse default recipes folder

Load recipes into main menu

Pre-fetch http media

Main Menu

Select Recipe

Fetch user made notes

Change handler paths to local URLs

Slide show starts

PLAY

Slide show exits

Exit method to loop over handler references killing them

Main Menu