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**Abstract**

Cooking applications share similar features; the majority share functionalities that allow users to create and search for recipes. These recipes are poorly constructed, especially the structure of the methodology, which is too detailed and difficult to follow.

A survey was created to determine what resources people utilise in cooking a particular recipe. Analysis of the study displayed that most of the audience watched YouTube tutorials or read instructions from recipes online. However, there was an issue of waiting for a particular process to finish. Furthermore, respondents also indicated that they would rather have a diagram illustration compared to just text.

On this basis, I created a web project called Fastcook to tackle the issue of poorly constructed recipes. The projects aim is to solve these flaws by allowing users to interact with the system and constructing a flowchart that can better illustrate the current layout of recipes. This is designed and implemented using the Django web framework, python and a library written in JavaScript named mxGraph.

**Introduction**

The background context will be presented to illustrate the research on the project; this will include the market research on current applications and what issues they face. This will then be followed up by the details on the implementation, requirements for my app and my progress.

**Project outline**

Fast Cook is a web application which allows users to interact with the system to create a graphical flowchart that illustrates the instructions of preparing a certain meal. This application will contain images that will represent the different events for those instructions. The images will be connected to each other by arrows to show the sets of instructions as a graph.

**Project aims**

The project aims to combat the poor layout of the instructions when following a particular recipe. Typically, the methods are portrayed in a way that shows the cook what to do per step. This consumes a lot of time as the cook would have to wait for every step to be completed. The user will be able to create a simplified diagram that can demonstrate to the cook how to work in parallel. This would be visually appealing to the user and will make cooking more efficient as they can see what to do while waiting for a particular step to finish.