



**“OPTIMIZING RECIPE DISCOVERY AND PERSONALIZATION FOR
CULINARY ENTHUSIASTS: LEVERAGING USER PREFERRED CHOICES”**

**UNDERGRADUATE FINAL PROJECT
SUBMITTED AS ONE OF THE REQUIREMENTS TO OBTAIN SARJANA
KOMPUTER**

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**FACULTY OF COMPUTING
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PRESIDENT UNIVERSITY**

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**OPTIMIZING RECIPE DISCOVERY AND PERSONALIZATION
FOR CULINARY ENTHUSIASTS: LEVERAGING USER
PREFERRED CHOICES**

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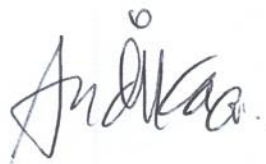
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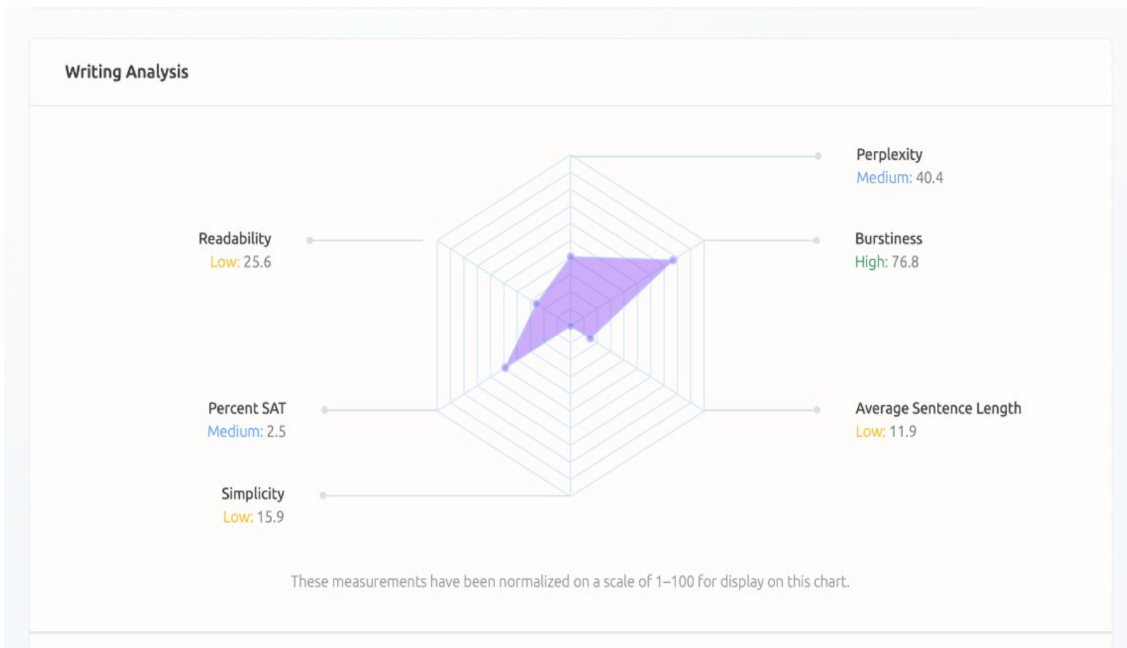
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Implementation Constraints and Specification

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ABSTRACT

The iOS culinary program aims to provide users with an interactive experience by allowing them to explore recipes and actively participate in the gourmet community. It features a recipe search engine, allowing users to search for recipes based on specific criteria. Users can also provide evaluations of their sampled foods, providing valuable input. The app enhances culinary experiences and engagements by estimating the time required to prepare a specific meal. It uses algorithmic concepts to maintain and present users' preferred recipes. When a user assigns a rating to a review, the program gathers relevant data and processes the user's preferred score. This process highlights recipes with higher favorability ratings and considers the variability in favorability throughout the recipes. The logarithmic function helps in the rapid compilation of user's preferred recipes and provides a more precise assessment of the recipes with the highest level of user preference. This enhancement improves the user experience in exploring and accessing their preferred recipes, while also offering improved advice for everyday culinary endeavors.

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