

# EASYCHEF APPLICATION

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## INTRODUCTION

The EasyChef refines meal preparation and cooking. Users can prepare delicious meals and create shopping lists by taking into consideration what they already have, thanks to AI ingredient management and personalised recipes. The target population of this app includes busy people, the health-conscious, and students on a budget who want an easy meal. Its goal is simplification of cooking, time-saving preparation, and optimization of ingredient usage.

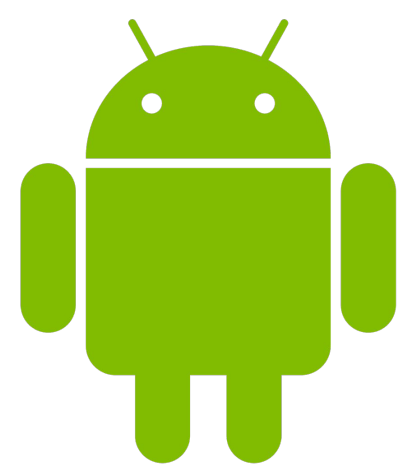


## PROBLEM STATEMENT

With life running at a fast pace, today it is very difficult to plan healthy meals and their lists with time constraints, yet home cooking still is on a rise for both men and women in the global perspective. Though convenience foods are still popular in higher-income families, they are not too healthy. Meal preparation in Ireland is usually a tradition when family members come together, control their nutrition, and cook different kinds of food.

## RESEARCH

The development of EasyChef was based on research into modern cooking habits and meal planning preferences. Indeed, convenience combined with healthy cooking is in high demand among busy people. For example, home cooking in France increased by 42% during lockdown, while afterwards—as many as 60%—continued to cook more frequently than before [2]. Takeouts are a very popular alternative to cooking at home, especially in higher-income groups[3]. EasyChef solves this by making an easy way to create recipes and manage food resources.



## CONCLUSION

EasyChef is a meal planning application that uses AI and machine learning to bring ease into our daily lives. This app uses image recognition, personalised recipes, and ingredient management into an easy-to-use solution for cooking challenges. EasyChef offers busy people, students, and home cooks a new meal preparation proposition: easy and healthy. Based on clear functional specification and insight into users, it simplifies meal preparation but gives attention to healthy cooking and economical usage of ingredients.



## REFERENCES

[1] Taillie, L.S. (2018). Who's cooking? Trends in US home food preparation by gender, education, and race/ethnicity from 2003 to 2016. Nutrition Journal, 17(1). doi:https://doi.org/10.1186/s12937-018-0347-9.

[2] Sarda, B., Delamair, C., Serry, A.-J. and Ducrot, P. (2022). Changes in home cooking and culinary practices among the French population during the COVID-19 lockdown. Appetite, 168, p.105743. doi:https://doi.org/10.1016/j.appet.2021.105743.

[3] Turrell, G. and Giskes, K. (2008). Socioeconomic disadvantage and the purchase of takeaway food: A multilevel analysis. Appetite, 51(1), pp.69–81. doi:https://doi.org/10.1016/j.appet.2007.12.002.

[4] Simmons, D., & Chapman, G. E. (2012). The significance of home cooking within families. \*British Food Journal, 114\*(8), 1184–1195. https://doi.org/10.1108/00070701211252110



## SUBTITLE

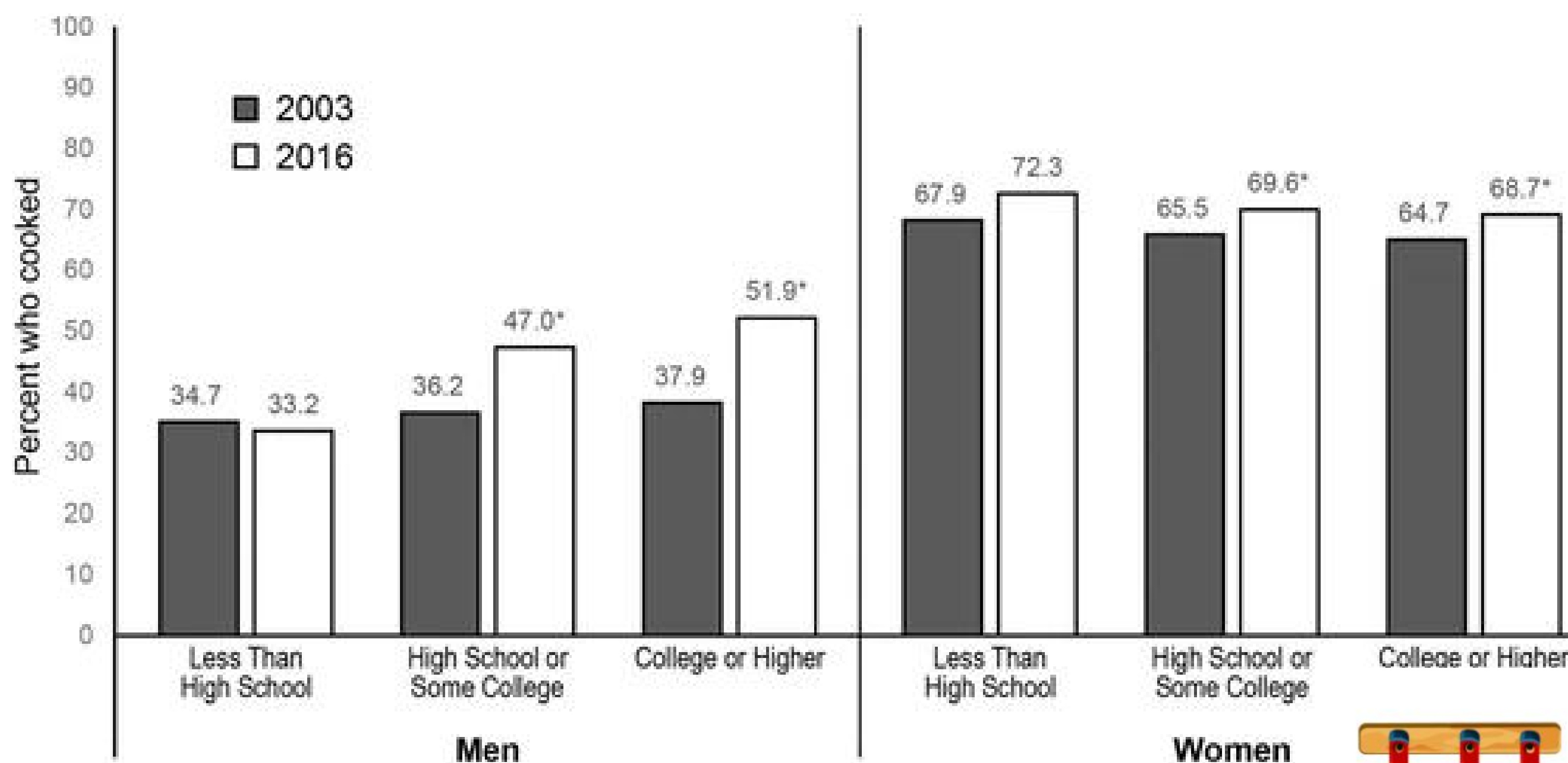


Fig 1: Increase of Cooks in US [1]



## VALUE PROPOSITION

The EasyChef offers convenience for busy individuals who want to plan meals and cook easily. It helps users optimise ingredients with AI-driven management and personalised recipes, promoting healthy eating and reducing food waste. EasyChef helps users maintain a healthier lifestyle by recommending suitable alternatives. It makes it easier for users to create shopping lists, find new recipes, or create diet programs that are personalised to their needs.

## TARGET MARKET

EasyChef will target busy people with limited time, students on a budget, health-oriented people, and people who want ease of cooking. EasyChef will attract people who will like to minimize waste, and also those in search of new easy recipes. This app is targeted at anybody who wants easy meal planning, and personal meal preparation.

## FEATURES

EasyChef offers a variety of core and features to streamline the cooking and meal planning experience. Core features include:

- Ingredient identification through image recognition
- Personalised recipe recommendations
- Shopping list creation
- Barcode scanning
- Healthy alternative suggestions
- User profile for customisation

