



GOING DUTCH

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ABSTRACT

This project describes and presents a system designed and built with the intention of reducing issues regarding bill splitting by taking advantage of the technology and recent legislature which allows the service to eliminate deficiencies associated with financial transactions settled via paper-based means.

'Going Dutch' is a split-bill payment app which is flexible enough to calculate traditional single-source payments as well as multi-source ones and divide the equally.

The analysis and design specification address the deficiencies in the settlement options by creating an architectural design as a software package which will provide the following gains: significant increase in automation within the splitting system, decrease overheads of calculation and maintaining the same.

INTRODUCTION

In the daily life, when going out in groups regularly, everyone faces issue in splitting bills and maintaining the log for the same. It becomes tough to carry for longer time span.

“**Let’s go Dutch**”, is a phrase that has become extremely common in terms of usage and popularity among the masses lately.

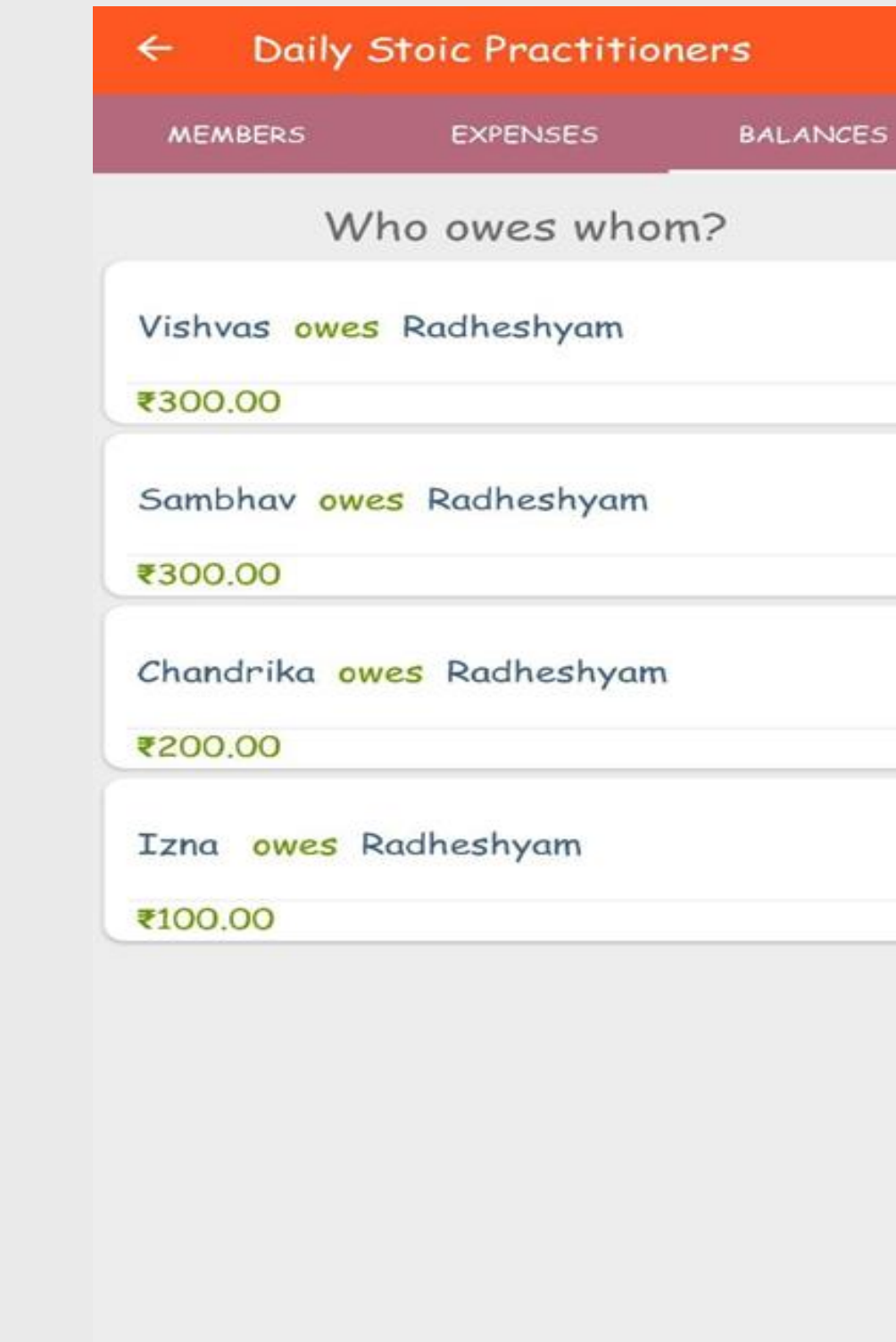
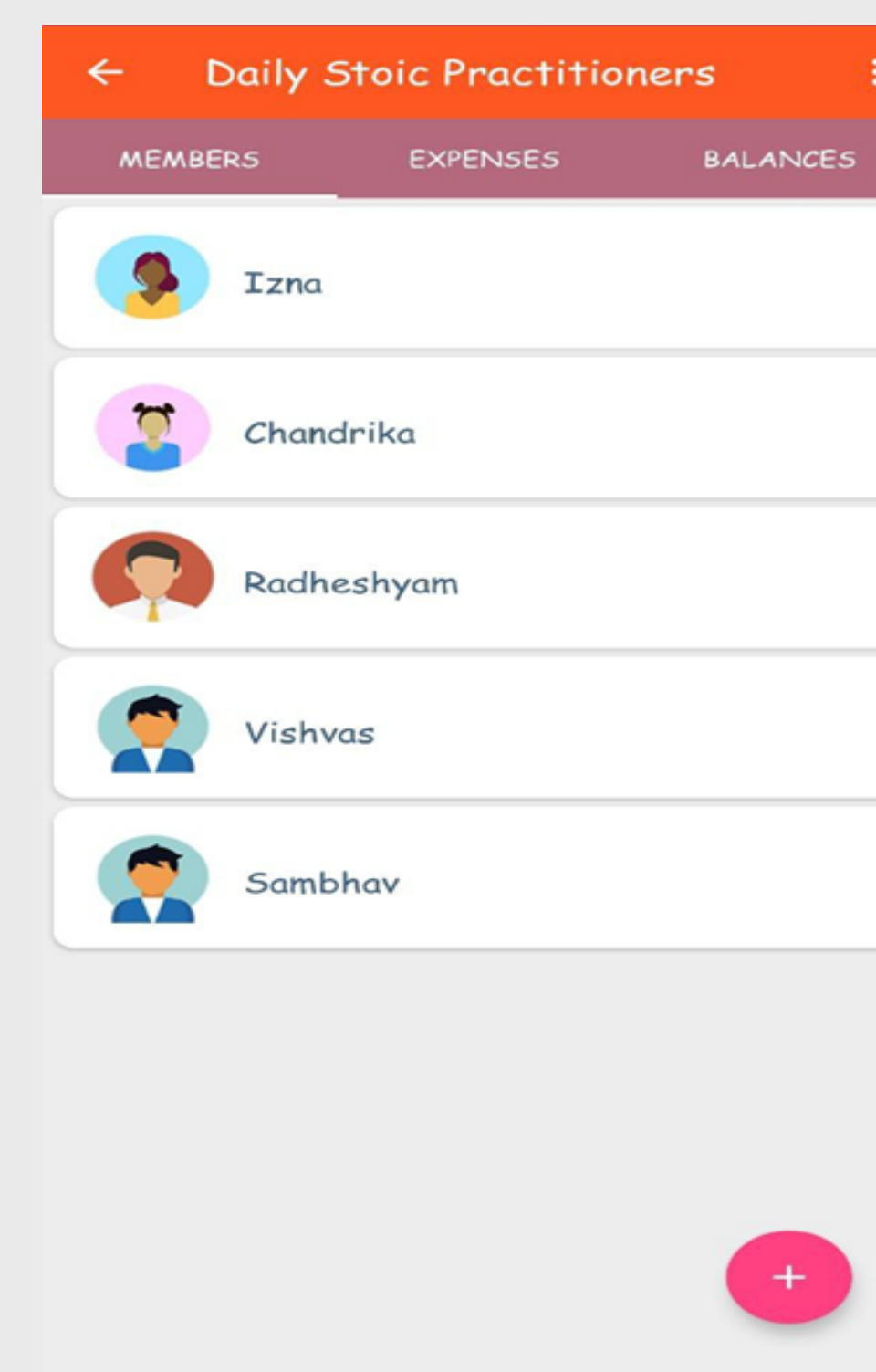
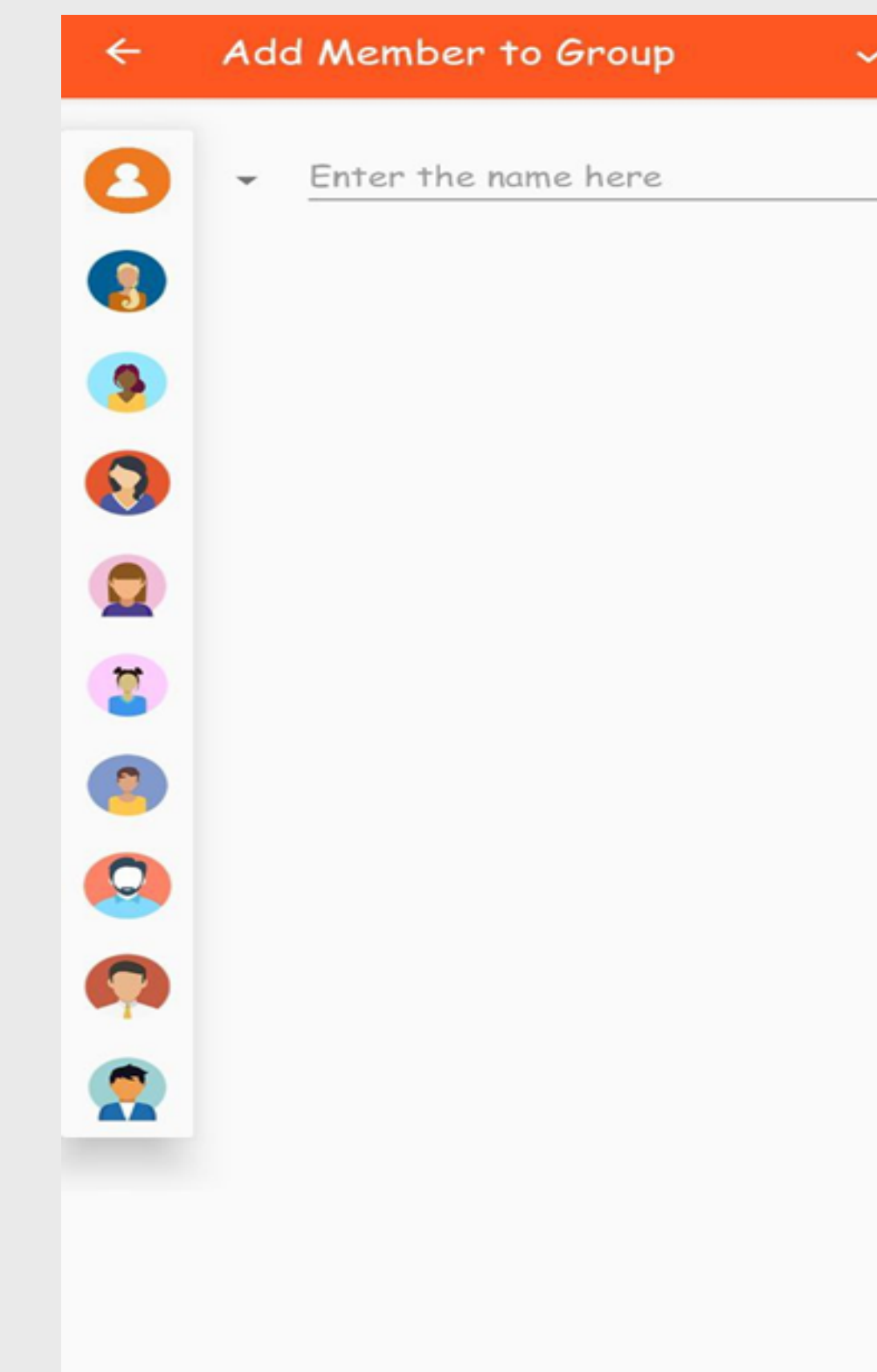
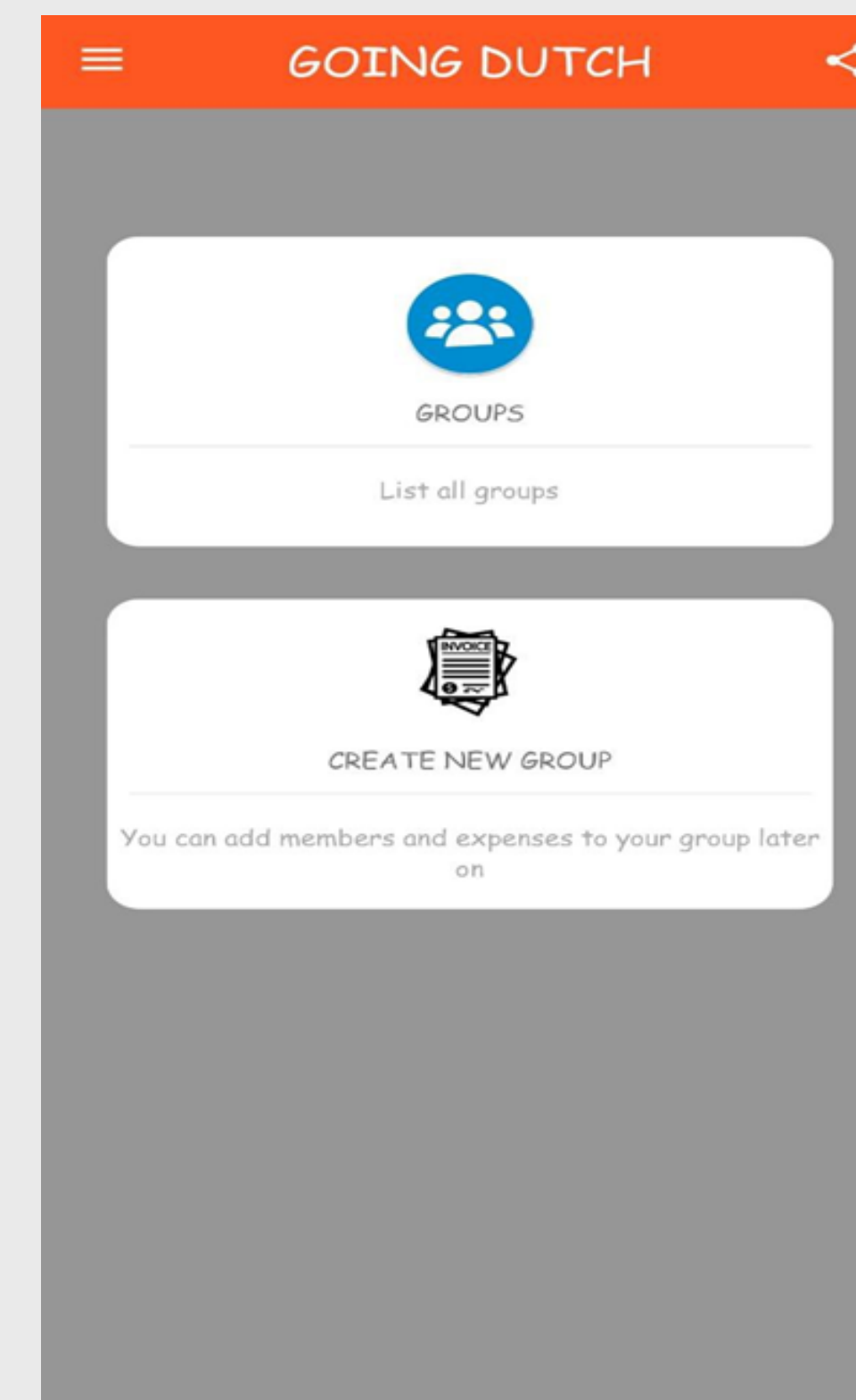
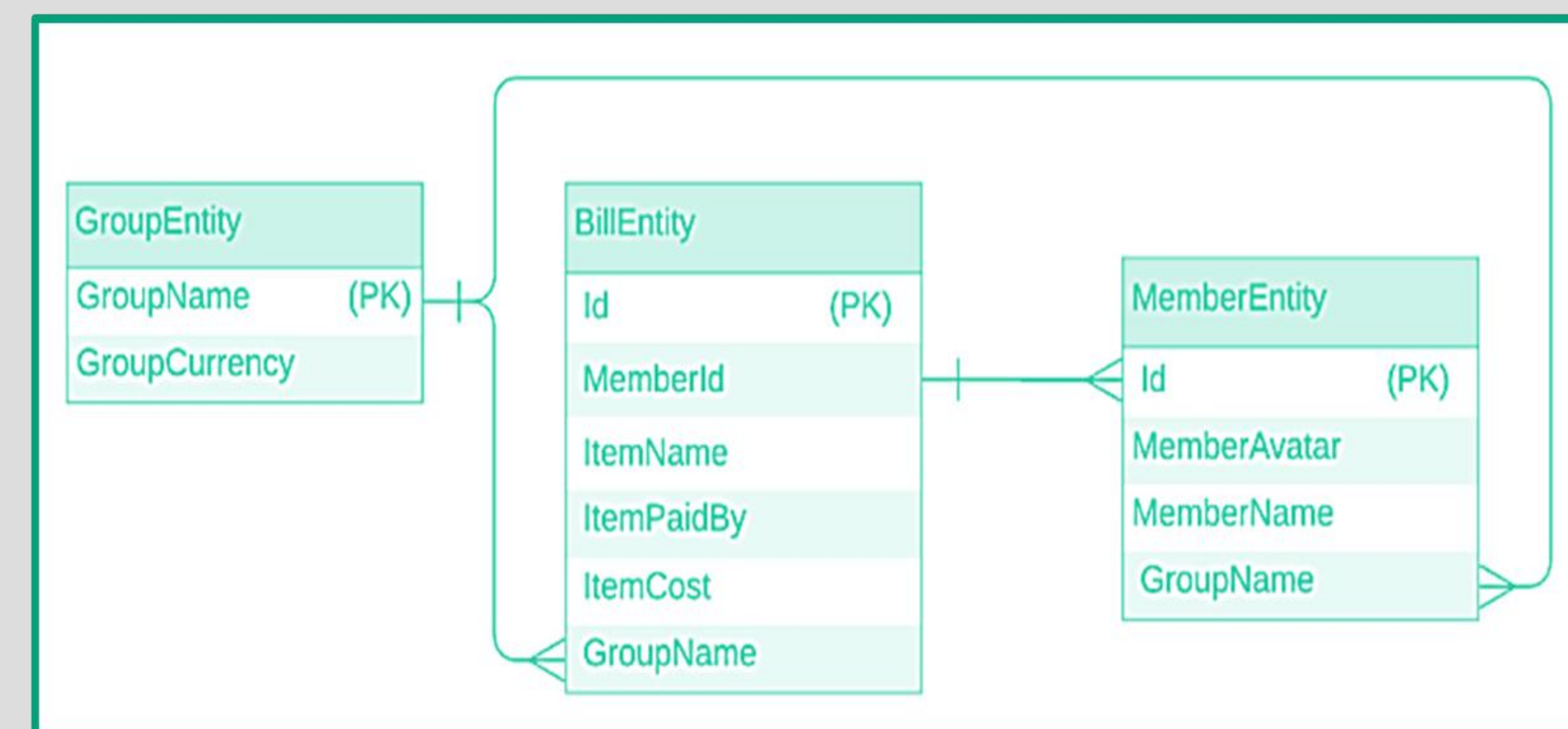
The term indicates that each person in the group while dining out or working pays for their own share.

To have the problem solved, our team has taken an approach to simplify the process of splitting bills. We have created the android application for the same.

MODULES AND METHODS

- Main Menu
- Group list menu
- Group creation menu
- Add bill action menu
- Member list menu
- Add member menu

Database Schema:



Sample snapshots

RESULTS

As a result of the project, we have created the applications that simplifies the splitting of bills.

Some highlighted points are as follows:

- User friendly layout is created
- Application is easy to use.
- Bill splitting can be done easily and automatically after entering the amounts
- Payment system integration right from the application is yet to be done

CONCLUSIONS

- This application will reduce human efforts for the settlement of the shares.
- It will also minimize the human interfere in the splitting process which will lead to the most accurate results.
- This application will not only help user to maintain expenses but will also settle the expenses on the spot which could be the hectic process.

REFERENCES

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