

Business Galore

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Abstract—Scheduling appointments for stores over the phone can often be exhausting or frustrating. That's why we decided to base our own scheduling application on "Beunik" (an appointment scheduling app for hair salons), but with the difference that we expand the variety of businesses where you can book quickly and at your convenience. As a user, you will be able to either list your own business in the app or simply focus on scheduling appointments.

Index Terms—business software, develop, patterns, software principles

I. INTRODUCTION

An appointment scheduling application can be very useful in terms of speed, as you don't need to wait for a store associate to answer your call. Additionally, you can calmly view all the available options that suit your needs or preferences. An example of this is the mobile app "Beunik: Reserve at Beauty Salons and Barbershops," where you can essentially search for different beauty and barber businesses, schedule your appointment with the employee you choose from the selected store, and select the type of service you require. However, these are not the only benefits that an appointment scheduling app offers. For store owners, it is useful to promote their business on an app and manage appointment information more organized and efficiently.

But why limit ourselves to an application based solely on beauty salons and barbershops? The idea behind our app is that people with any business offering appointment services can add it to the app, allowing users to schedule appointments across a wide variety of businesses.

To build this application, it is essential to understand what the user truly wants to do with it. Therefore, we created user stories based on our criteria to gain clarity and make the application as accurate as possible. Additionally, we utilize the object-oriented paradigm, which allows us to represent a real-world idea or problem in software, among other benefits.

The objective of this application is not only for users to add their business or schedule an appointment but also to provide a flexible application that can easily adapt to new user requirements. Furthermore, by implementing the object-oriented paradigm, we can work modularly, ensuring that maintenance is straightforward.

II. METHOD AND MATERIALS

A. Prior to software development

Using the object-oriented paradigm, we started creating CRC cards to define what classes our program will have and what their responsibilities and collaborators are, with the help of the information provided by the user stories.

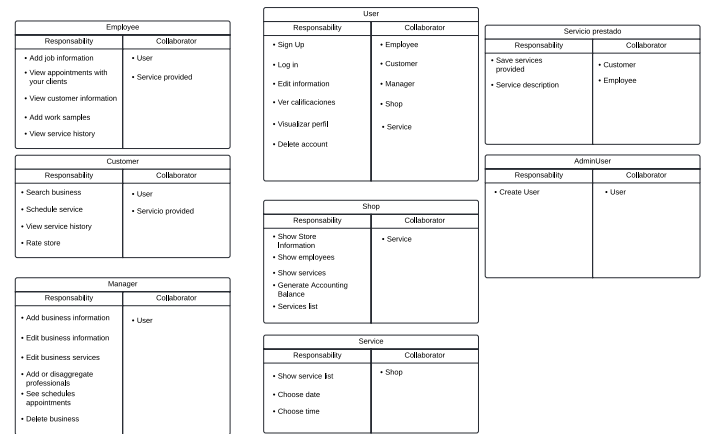


Fig. 1. CRC Cards.

From this, we began constructing class diagrams, activity diagrams, deployment diagrams, and sequence diagrams to gain a more detailed view of the application's functionality.

III. RESULTS

Up to this point, we have defined the user stories, limited the scope of our application, created diagrams, and generally documented our project, thus providing a blueprint of what we will develop in code

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