A close up of a logo

Description automatically generated

**Department of Electronics, Microelectronics, Computer and Intelligent Systems**

**Software Engineering**

CookBooked: Culinary Recipe Sharing Platform

Zagreb, October 2023.

Create a user-friendly web-based platform that lets users share, discover, and connect with recipe creators. This platform is designed for food enthusiasts who want to share their cooking and baking recipes and connect with the people behind those recipes for guidance and conversations.

Unregistered users can only browse recipes based on categories (e.g., appetizers, desserts), cuisine types, or specific ingredients. To unlock all the platform's features, users need to sign up with a valid email address.

Once registered, users can post their cooking and baking recipes. They can provide recipe details such as the title, ingredients, preparation steps, cooking time, and tags (like vegetarian or gluten-free). Users can also add images and videos related to the recipe.

Recipe authors can choose to enable communication options for their recipes, including messaging, integrated chat, and video call features. These features allow users to connect with recipe authors, but only registered users can use them. Authors can set their availability for communication (e.g., specific hours or days).

Registered users can like, comment on, and save recipes for future reference. Users can follow their favorite recipe authors to receive updates on new recipes.

Registered users have public profiles showcasing their posted recipes, followers, and the authors they follow. They also have private profiles where they can manage personal information, communication preferences, and notifications for messages and recipe-related activities.

The platform is maintained by system administrators who can manage users, change the category of a recipe, or delete a recipe.

*CookBooked* platform shall be implemented as a web or mobile application. The back end must be implemented using object-oriented programming languages such as Java or Python. HTML, CSS, and JavaScript can be used for front-end development.

The application must have a responsive user interface so that it can be displayed with the same quality on the computer screen as on the screens of smartphones and tablets. All personal data in the application must be stored in accordance with the GDPR regulation.

**Discussion of the task and more detailed explanations will be given during the first laboratory exercise with the TA Nikolina Frid (**[**nikolina.frid@fer.hr**](mailto:nikolina.frid@fer.hr)**).**