**Currency Exchange Desktop Application - Functional Documentation**

**1. Overview:**

The Currency Exchange Desktop application is a Java-based desktop application that allows users to access currency exchange services, manage transactions, and participate in a community forum. The application provides a user-friendly interface and integrates with a remote API to retrieve and manage data.

**2. Features and Functionalities**

The application offers the following features and functionalities:

Exchange Rate: Allows users to view the current exchange rates for various currencies. Users can select their preferred currencies to convert between and view the latest rates. They can also calculate what they will get with a calculator connected to both rates.

Transactions: Allows users to view their transaction history and manage their transactions. When new transaction is created on the Exchange rates page it appears on this one with the amount and the data as well as the type.

Login: Provides a secure login feature for registered users. Users can enter their credentials to access the application's features.

Register: Allows new users to create an account by providing their username, password, and other required information.

Statistics: Displays various statistics related to currency exchange rates and transactions. Users can view graphical representations of exchange rate trends and transaction statistics. Users can select what type of statistics to show with a drop down menu. in order to not clutter the page with a lot of numbers.

Offers: Allows users to view and manage special offers related to currency exchange services. Users can create offers and post them to allow other users to accept said offers, a user cannot accept his own offers.

Forum: Provides a community forum where users can post messages, discuss topics, and interact with other users.

Minigame: Offers a simple minigame for users to enjoy and pass the time.

**3. User Interface and Navigation**

The application features an intuitive user interface designed using JavaFX. The layout is organized into a main screen with a side navigation menu, allowing users to easily switch between different features. Each feature has its own dedicated interface, providing a consistent user experience throughout the application.