**Northernbus**

Northernbus is an open-source bus management and scheduling desktop application designed to streamline the process of managing bus routes, schedules and passengers for small to medium-sized transportation businesses. It is built using Java Swing, and it provides an intuitive user interface, making it easy operators to interact with the system. This application can be run on a PC inside an Integrated Development Environment (IDE).

Features

* Login/Register function, that checks the credentials of users in the database(each user has an unique id)
* Search function that allows the user to easily search for the desired route, in northern England.
* Bookings frame, where you can see all the bookings for the logged in user
* Every time you make a booking, the function will create a new table in MySQL for the logged in user(if not already created) and save the bought tickets
* When you create the account it will automatically be funded with 1000£ for testing purposes
* After every transaction the account will be created with the amount shown at the price section
* Visualize route information using Swing-based interface.

Prerequisites

Java Development Kit (JDK) 8 or above

An Integrated Development Environment (IDE) such as IntelliJ IDEA, Eclipse, or NetBeans

Installation

Clone the repository:

Git clone https://github.com/sebi247/Northernbus.git

Open the project in your preferred IDE.

Ensure your IDE is using the correct JDK version (8 or above).

Build the project and resolve any dependencies if required.

Run the Main.java file to launch the application.

Usage

Upon launching the application, you'll be presented with login menu where you need to use your credentials to log in to the app. After the login you will be transported to main page from where you can access different features such as searching for a route, buying a ticket and viewing your already bought tickets all using java swing frames to make it easier for the users to use.

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