Bus Company Management System (C++)

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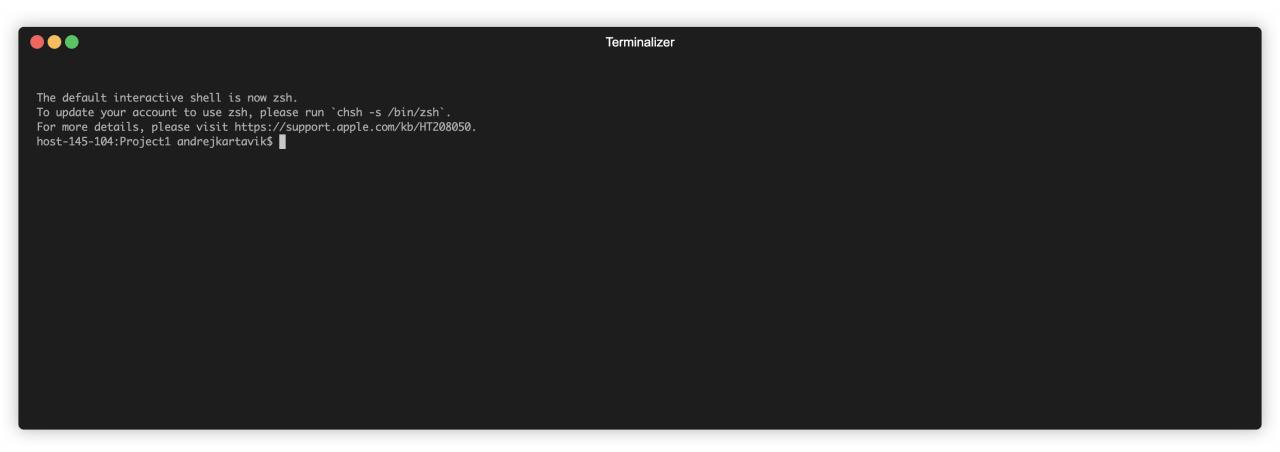Poznan, Poland

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What I've created?

I've written a project in C++ programming language, where I've used Object Oriented Programming concepts in order to create Bus Company Management System, which can help managers to:

- **Create Intercity or International Bus Trips**
- **Add Buses or VIP Buses to the list of company assets**
- **Assign Buses to a particular Trip**
- **Sell Tickets to the customers**
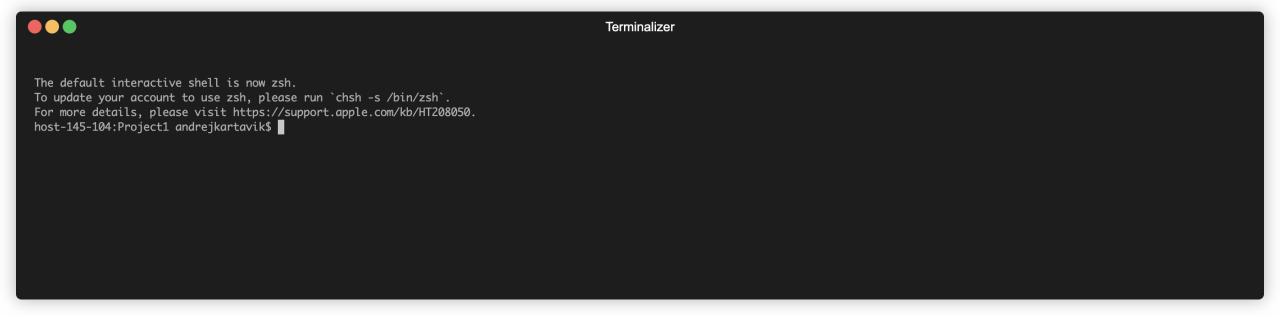- **Get information about available trips, buses or passengers**

Project Demo:

It's error resistant!


```
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
host-145-104:Project1 andrejkartavik$
```

What problems I've faced:

- Project occurred to be big

- Complicated relations between classes

- Not enough experience in C++
  - Includes in a cycle
  - Inheritence modifiers
  - Structure organization (.h vs .cpp)

- Limited functionality due to the project size limitations

After completion of this project, I've:

- Improved my knowledge in C++

- Got a better understanding of OOP consepts and their application in practise

- Acquired important experience in software developmnet

What can be improved?

- Functionality of the application

- Unit Testing

- Computational optimization

- GUI