USE CASES DESIGN 20.07.2022

Define the main features, roles, objects of the project

PROJECT DESCRIPTION

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| --- | --- |
| **Railway ticket office** | The **administrator** can add / delete / edit the list of Stations and Railway Routes between them. The route contains information as: - starting station and departure time; - final station and time of arrival.  The **user** can search for routes between stations that interest him. The result of the search is a list of trains, each string of which contains: - train number; - time / date and station of departure; - travel time; - time / date and station of arrival; - number of available seats; - travel cost; - link to the corresponding route view page (user can view route information). If the user is registered in the system, he must be able to buy a ticket for the selected route on the specified date (subject to availability). |

Features:

1. **add / delete / edit the list** of
   1. Stations
   2. Railway Routes between Stations
2. **search for routes** between stations that interest User
3. **show** route information
4. **buy a ticket** for the selected route on the specified date

Roles:

1. Administrator
2. Unregistered User
3. Registered User

Use cases matrix:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Admin | Unreg. user | Reg. user |
| See route information | + | + | + |
| Find route between stations | + | + | + |
| Buy ticket | - | - | + |
| CRUD Stations & Railways | + | - | - |

Objects of the project: see file EPAM\_PL\_TRAIN\_CLASSES.drawio.png