Java Enterprise Edition

Fall Semester 2020

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TASK 2

Problem 1

Develop a simple WEB application for managing train tickets.

As a database, you can use simple **ArrayList** of **Ticket** class, inside of **DBManager.java** class, where you must create all methods to manage with them.

Ticket.java

- Long id;
- String fromCity;
- String toCity;
- int price;
- int duration;

Create constructors, getters, and setters for parameters.

Inside of **DBManager.java** class, create static **ArrayList** of **Ticket** class.

Also, create static methods to manage with tickets:

void addTicket(Ticket ticket); //this method adds new ticket into list

Ticket getTicket(Long id); //this method returns an object of ticket by id

ArrayList<Ticket> getAllTickets(); //this method returns a list of all tickets

ArrayList<Ticket> getTicketsFromRange(int fromIndex, int size); //this method returns a list of tickets from index with size

void deleteTicket(Long id); //this method deletes ticket from list by id

In main page, you will have a list of all tickets shown as in example:

Aktobe - Almaty

Price: 30000 KZT

Duration: 27 Hours

Details

Taraz - Semey

Price: 16000 KZT

Duration: 21 Hours

details

Almaty - Kyzylorda

Price: 8000 KZT

Duration: 17 Hours

details

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Use pagination to view tickets.