



**American International University-Bangladesh (AIUB)**

**Department of Computer Science**

**Faculty of Science & Technology (FST)**

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**CSC 2210 Object Oriented Analysis and Design (OOAD)**

**Section: F**

**Group No: 02**

**PROJECT TITLE: RAILWAY E-TICKETING SYSTEM**

An Object-Oriented Analysis and Design (OOAD) project submitted  
By

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# **TITLE: RAILWAY E-TICKETING SYSTEM**

## **Motivation & Background Study:**

An E-Ticket (Electronic Ticket) is a paperless electronic document used for ticketing passengers, particularly in the commercial railway industry. The principal advantage of E-Ticketing is the fact that it reduces booking expense by eliminating the need for printing and mailing paper documents. The population of Bangladesh is spread throughout its districts. Everyone have to travel from one place to another for working purpose. That's why we have to stand in a line for a long time to buy tickets. It is very time consuming. We were in a similar situation when we traveled by train. So we have taken up this project to describe the online railway ticket sales system or E-Ticketing in Bangladesh. The tickets are ordered from a website that provides both tickets information and the purchasing or reservation service. In this way tickets are offered online and travelers can determine everything about tickets of their respective destination by logging and can also get tickets by filling out the form and also making a specific payment. Clerk looks at travelers completed form and confirms if everything is okay. In this case, everything is monitored by the railway system.

## **Requirement Analysis:**

### **1. User Category:**

There are 3 types of Users here. They are:

- Travelers
- Clerk
- Railway System

### **2. Feature List:**

In this project the “Travelers” has the following features:

- Login
- Select destination
- Search availability of tickets
- View ticket category
- View ticket details
- Book ticket
- Confirm reservation
- Request for tickets

In this project the “Clerk” has the following features:

- Login



- View ticket details
- Confirm reservation
- Cancel reservation
- Return money

In this project the “Railway System” has the following features:

- Login
- Search availability of tickets
- Create forms
- Modify forms
- Create tickets
- View ticket details
- View request forms
- Assign clerks
- Select routes for train

