

**NAME: TABAMMUM HAQUE PRANTY**  
**ID:19-40822-2**  
**COURSE: SOFTWARE ENGINEERING**  
**SECTION: D**

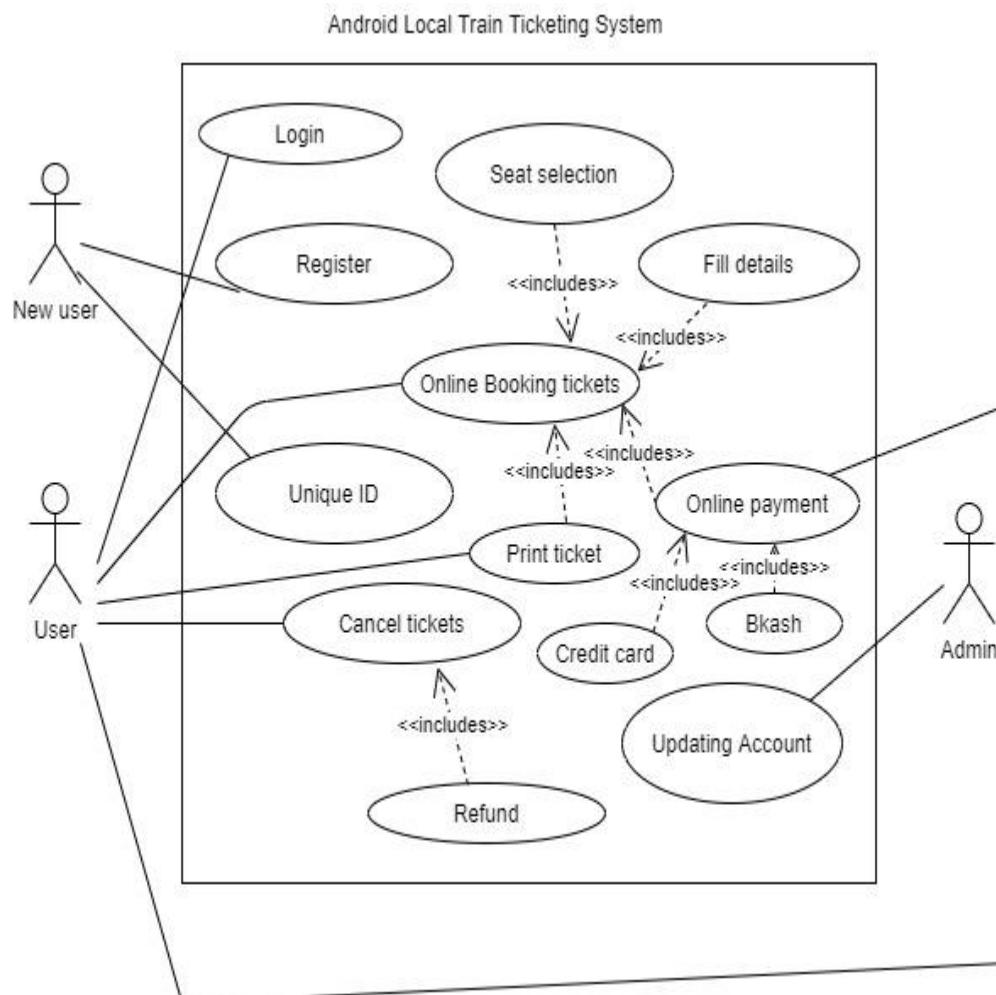
**Features**

Features are listed below. **High**, **Medium** and **Low** are used to indicate the importance of each feature.

Feature ID	Description	Priority	Requester
FE01	Web based and accessible from devices with internet connection such as mobile, desktop, laptop.	High	
FE02	Accessible only to authenticated and authorized users.	High	
FE03	Android local train ticketing system for example: login, register, unique id and so on. It will allow online booking tickets and payment system.	High	

<b>FE04</b>	Seat selection based on user needs.	High	
<b>FE05</b>	Print ticket and cancel ticket by user	Medium	
<b>FE06</b>	Updating account through admin.	High	

## USECASE



## Use Cases

FE01- Web based and accessible device	
FE01_UC01 – Web based and accessible device	
<b>Brief Description</b>	The user needs to a device such as laptop, mobile, desktop and so on.
<b>Priority</b>	High
<b>Actor/s</b>	Users
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. User buys a mobile</li><li>2. The system displays a web page</li><li>3. User has internet connection.</li></ol>
<b>Alternative Scenario</b>	<ul style="list-style-type: none"><li>• The system cannot find accessible device for the user and re-displays with an error message.</li></ul>
<b>Notes/Questions</b>	Must need web based and accessible devices.

FE02 - Authentication and authorization	
FE02_UC01 - User authentication	
<b>Brief Description</b>	The user opens up the page and the page shows the login form for access.
<b>Pre-condition/s</b>	<ul style="list-style-type: none"><li>• User is not logged in already</li></ul>
<b>Priority</b>	High
<b>Actor/s</b>	Users of all classes.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"><li>1. User opens up the web page</li><li>2. The system displays a login form</li><li>3. User enters his/her unique id</li><li>4. The system matches user id against its data store</li><li>5. The system then redirects user to the appropriate page based on user class.</li></ol>
<b>Alternative Scenario</b>	<ul style="list-style-type: none"><li>• The system cannot find a match for the user and re-displays the login form with an error message.</li></ul>
<b>Notes/Questions</b>	Must need clarification on dashboard for each user type.

FE03- Local train ticketing system	
FE03_UC01 –Booking and payment tickets	
<b>Brief Description</b>	User wants to book ticket and then pay through bkaash or credit card.
<b>Pre-condition/s</b>	<ul style="list-style-type: none"> <li>User must be logged in</li> </ul>
<b>Priority</b>	High
<b>Actor/s</b>	Users of all classes.
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>Users login form</li> <li>The system displays booking option</li> <li>User books the ticket</li> <li>User pays money through bkaash or credit card.</li> </ol>
<b>Alternative Scenario</b>	<ul style="list-style-type: none"> <li>The system cannot find book option and re-displays the booking form with an error message.</li> <li>The system cannot find a payment option.</li> </ul>
<b>Notes/Questions</b>	Must need clarification on booking and payment system for each user type.

FE04- User needs	
FE04_UC01 –Seat selection	
<b>Brief Description</b>	User selects seat for their needs.
<b>Priority</b>	High
<b>Actor/s</b>	Users
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>User selects seats.</li> <li>User chooses their seats on window or corridor.</li> <li>User confirms seat.</li> </ol>
<b>Alternative Scenario</b>	<ul style="list-style-type: none"> <li>The system cannot show available seats and re-displays the seat selection form with an error message.</li> </ul>

<b>Notes/Questions</b>	Must need available seats.
------------------------	----------------------------

<b>FE05- Print and cancel ticket by user</b>	
<b>FE05_UC01</b> –Print and cancel ticket	
<b>Brief Description</b>	User prints and cancel tickets.
<b>Priority</b>	Medium
<b>Actor/s</b>	Users
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1. User prints ticket.</li> <li>2. User cancel ticket.</li> </ol>
<b>Alternative Scenario</b>	<ul style="list-style-type: none"> <li>• The system cannot show print option and re-displays the print option with an error message.</li> <li>• The system cannot show cancel option.</li> </ul>
<b>Notes/Questions</b>	Must need print and cancel option.

<b>FE06- User updates account through admin</b>	
<b>FE06_UC01</b> –Updating account	
<b>Brief Description</b>	User wants to update his/her account through admin.
<b>Priority</b>	High
<b>Actor/s</b>	Users, Admin
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1. User wants to update his/her account.</li> <li>2. Admin updates users account.</li> <li>3. Admin recharges users account.</li> </ol>
<b>Alternative Scenario</b>	<ul style="list-style-type: none"> <li>• The system cannot show update option and re-displays the update option with an error message.</li> </ul>
<b>Notes/Questions</b>	Must need update option so that admin can update users account.

