

# CRC cards\_Team A

Travel insurance

**Front:**

<b>Class Name:</b> User	<b>ID:</b> 1	<b>Type:</b> Concrete, Domain
<b>Description:</b> An individual who has an account in our site		<b>Association Use Cases:</b> 1,2,3,4,5,6
<b>Responsibilities</b> -Create account -Log in -Log out -Change trip -Cancel trip -Retrieve password -Send-data-to-ID-5 -Send-data-to-ID-6 -Get bank card number from user -User verification	<b>Collaborators</b>  -SMS -Travel -Insurance System -Airline System	

**Back:****Attributes:**

ID (varchar)  
First name (varchar)  
Last name (varchar)  
National code (varchar)  
Birthdate (date)  
Phone number (varchar)  
Mobile Phone number (varchar)  
Email Address (varchar)  
Membership date (date)  
Status (varchar)  
Address (varchar)  
Bank card number (varchar)  
Shaba number (varchar)  
Password (varchar)

**Relationships:**

**Generalization(a-kind-of):-**

**Aggregation(has-part-of):-**

**Other Associations:** SMS, Travel, Airline System, Insurance System

**Front:**

<b>Class Name:</b> SMS	<b>ID:</b> 2	<b>Type:</b> Concrete, Domain
<b>Description:</b> An SMS that must send to a user		<b>Association Use Cases:</b> 1,2,4
<b>Responsibilities</b>  -Contain data of SMS to inform new user for the account -Contain data of SMS to inform users about their new insured trip which they buy -Contain data of SMS to inform users about retrieving password	<b>Collaborators</b>  -User - Insurance System -Travel	

**Back:**

<b>Attributes:</b>  ID(varchar) SenderID(varchar) Receiver_ID(varchar) Date(date) Text(string) SMSType(varchar) Travel_ID(varchar)
<b>Relationships:</b>  <b>Generalization(a-kind-of):</b> - <b>Aggregation(has-part-of):</b> - <b>Other Associations:</b> User, Insurance System, Travel

**Front:**

<b>Class Name:</b> Travel	<b>ID:</b> 3	<b>Type:</b> Concrete, Domain
<b>Description:</b> An entity which keeps track of reserved travels using insurance company service		<b>Association Use Cases:</b> 4, 5, 6
<b>Responsibilities</b>  -Change travel status -Create a mapping between users and their insured travels	<b>Collaborators</b>  -User -Insurance System -Airline System -SMS	

**Back:**

<b>Attributes:</b>  ID (varchar) Status(varchar) Seat-number(tinyinteger) Travel-Price (big integer) Purchase date (date) Number of tickets (tinyinteger)
<b>Relationships:</b>  <b>Generalization(a-kind-of):</b> - <b>Aggregation(has-part-of):</b> - <b>Other Associations:</b> -User -Insurance System -Airline System -SMS

**Front:**

<b>Class Name:</b> Airline System	<b>ID:</b> 4	<b>Type:</b> Concrete, Domain
<b>Description:</b> A business entity which provides insurance service for travelers and in turn needs to be informed of the last changes requested by the travelers		<b>Association Use Cases:</b> 4, 5, 6
<b>Responsibilities</b> -Sending information via API or trigger for the airline company -Getting information from Airline company	<b>Collaborators</b> -Travel -User	

**Back:**

<b>Attributes:</b> Airline-data (structure) Travel-id(varchar) Travel-price(double) Airline-API-address (varchar) User-id(varchar)
<b>Relationships:</b> <b>Generalization(a-kind-of):</b> - <b>Aggregation(has-part-of):</b> - <b>Other Associations:</b> -Travel -User

**Front:**

<b>Class Name:</b> Insurance system	<b>ID:</b> 5	<b>Type:</b> Concrete, domain
<b>Description:</b> provide insurance service and receive or sends data for insuring,		<b>Association Use Cases:</b> 4,5,6
<b>Responsibilities</b> -Sending information via API for insurance company if user changed or canceled the trip -Receiving data from airline company -Sending data to SMS class	<b>Collaborators</b> -User -Travel - SMS	

**Back:**

<b>Attributes:</b> Insurance-data (structure) User-id(varchar) Travel-id(varchar) Travel-price(double) Insurance-API-address(varchar)
<b>Relationships:</b> <b>Generalization(a-kind-of):</b> <b>Aggregation(has-part-of):</b> <b>Other Associations:</b> -User -Travel -SMS