

CRC cards_Team A

Travel insurance

Front:

Class Name: User	ID: 1	Type: Concrete,Domain
Description: An individual who has an account in our site		Association Use Cases: 1,2,3,4,5,6
Responsibilities -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 -Sending info to Travel	Collaborators -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

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Front:

Class Name: SMS	ID: 2	Type: Concrete, Domain
Description: An SMS that must send to a user		Association Use Cases: 1,2,4
Responsibilities -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	Collaborators -User - Insurance System -Travel	

Back:

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

Front:

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

Back:**Attributes:**

ID (varchar)
Status(varchar)
Seat-number(tinyinteger)
Travel-Price (big integer)
Purchase date (date)
Number of tickets (tinyinteger)

Relationships:

Generalization(a-kind-of): -

Aggregation(has-part-of): -

Other Associations:

-User
-Insurance System
-Airline System
-SMS

Front:

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

Back:

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

Front:

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

Back:

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