Reservation System

LOGIN TABLE

Attribute	Datatype	Constraints
UID	INT	Primary Key
Username	Varchar	Unique key
password	varchar	Not Null
email	varchar	Unique Key

USER TABLE

Attribute	Datatype	Constraints
UID	INT	Primary Key
Name	char	Not null
Gender	Char(1)	Not Null
Phone	Number(10)	Unique Key
Address	Varchar	Not Null

TRAIN TABLE

Attribute	Datatype	Constraints
TNO	INT	Primary Key
Tname	Char	Not Null

Source	INT	Foreign Key
Destination	INT	Foreign Key

AVAILABILITY TABLE

Attribute	**Datatype**	**Constraints**
S.NO	INT	Auto Increment
TNO	INT	Foreign Key
NoAC	INT	-
NoGN	INT	-
NoSL	INT	-
Date	Date	Not Null

RESERVATION TABLE

Attribute	**Datatype**	**Constraints**
RID	INT	Primary Key
TNO	INT	Foreign Key
UID	INT	Foreign Key
P1	INT	Foreign Key to UID
P2	INT	Foreign Key to UID
P3	INT	Foreign Key to UID
P4	INT	Foreign Key to UID
P5	INT	Foreign Key to UID
Date	Date	Not Null

Boarding st	INT	Foreign Key
Destination St	INT	Foreign Key

SEAT TABLE

Attribute	Datatype	Constraints
RID	INT	Primary Key
P1S	INT	Not Null
P2S	INT	-
P3S	INT	-
P4S	INT	-
P5S	INT	-
P6S	INT	-
TNO	INT	Foreign Key

STATION TABLE

Attribute	Datatype	Constraints
SID	INT	Primary Key
Station Name	Char	Unique Key

ROUTE TABLE

Attribute	Datatype	Constraints
TID	INT	Foreign Key
SID	INT	Foreign Key

PAYMENT TABLE

Attribute	Datatype	Constraints
RID	INT	Foreign Key
Amount	INT	Not Null
Tax	INT	Not Null
UID	INT	Foreign Key