

Table1--Users

Attributes:

- 1) username(not null, primary key);
- 2) password;
- 3) balance.

This table is designed for conserving user information. Besides, the tables relates to the implementations of create and login. Among the three attributes, only the balance is dynamic changeable.

Table2--Capacities

Attributes:

- 1) fid(not null, primary key);
- 2) capacity.

The function of this table is to update each flight's remaining seats. We need to use this table when we execute search and book methods. Besides, the fid is persisted while capacity is not.

Table3--Reservations

Attributes:

- 1) rid(not null, primary key);
- 2) fid1;
- 3) fid2;
- 4) paid;
- 5) price;
- 6) Username;
- 7) dayOfMonth;
- 8) canceled.

This table aims to store user reservation information. This table has relations with pay, reservations and cancel methods. Among the eight attributes, only paid and canceled are not persisted. Since once a user canceled a reservation, the status of paid and canceled must be updated.