

<https://dailei5.github.io/index.html>

Weather Vault ®

Project Step 4 Draft Version

CS340
Group106
Developers
Dov Sherman

UserRegistrations: stores each user's personal information.

userID: INT, auto_increment, unique, not NULL, PRIMARY_KEY
lastName: VARCHAR
firstName: VARCHAR
password: VARCHAR, not NULL
email: VARCHAR, not NULL
`zipCode` INT(11) NOT NULL,

Relationship: A **1:M** relationship between **UserSignUps** and **UserLogins**

UserLogins: An intersection table linking **UserSignUps** and **UserAccounts**

`userID` INT(11) NOT NULL ,
`password` VARCHAR(255) NOT NULL,
`locationID` INT(11),
`lastName` VARCHAR(255) NOT NULL,
`firstName` VARCHAR(255) NOT NULL,
FOREIGN KEY (`userID`)
FOREIGN KEY (`locationID`)

Relationship: A **M:1** relationship between **UserLogins** and **UserSignUps**

Relationship: A **M:1** relationship between **UserLogins** and **UserAccounts**

UserAccounts: Contains all the Users as well as their corresponding climate information.

userID: INT, not NULL, FOREIGN_KEY
locationID: INT, not NULL, FOREIGN_KEY
climate: VARCHAR
temperature: DECIMAL
isGuide: TINYINT

Relationship: A **1:M** relationship between **UserAccounts** and **UserLogins** with userID and locationID as FKs

UserClimates: Stores the weather information associated with each *User*.

userID: FK, INT, NOT NULL

temperature: DECIMAL

climate: VARCHAR

locationID: INT, not NULL, FOREIGN KEY

Relationship: A **1:M** relationship between WeatherVaults and LocationVaults

UserLocationHistory: Stores the history of all *Users*' locations.

locationID: INT not NULL PRIMARY KEY

dateID: DATE, NOT NULL

zipCode: VARCHAR not NULL

