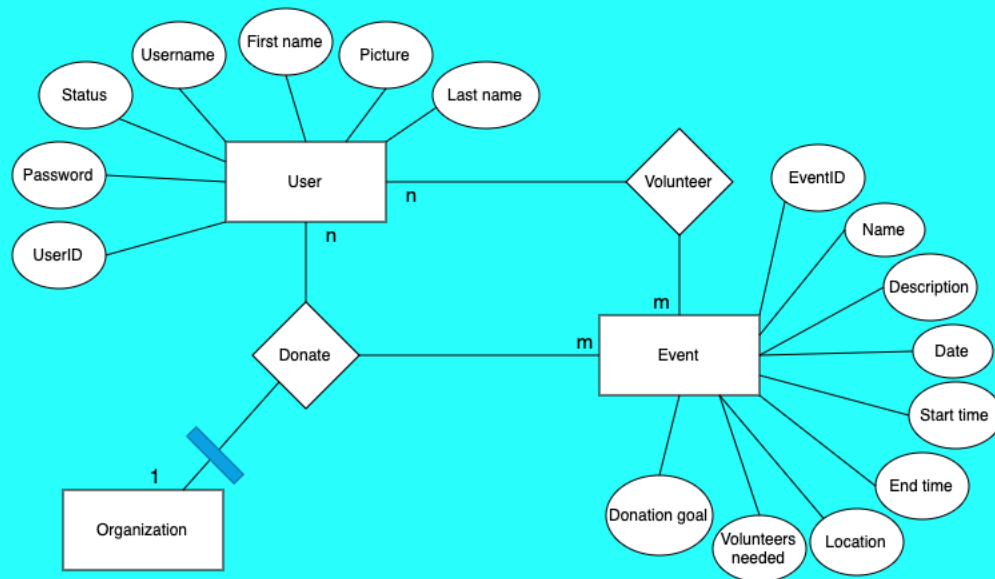


ER Diagram for Aptiv Web App Database

CS 341

Group #2: Andrew Krause, Riley Radle, Anthony Musbach, Zach Gephart



Explanation

Relationship - Volunteer

- Entities - User and Event
 - Cardinality for User is n
 - Cardinality for Event is m
 - Modality for User is 0
 - Modality for Event is 0
- ⇒ Many users can volunteer for many Events
- ⇒ No particular user for a particular event

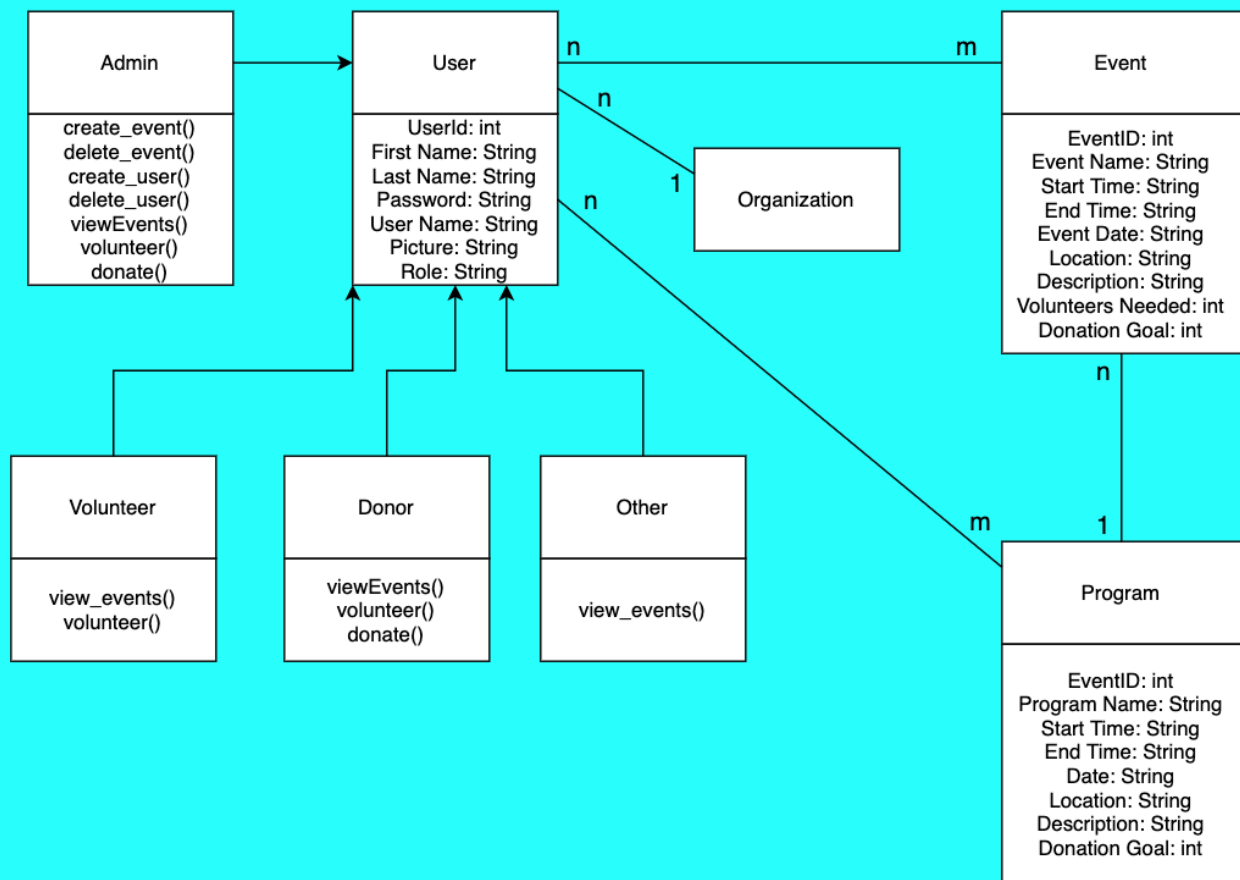
Relationship - Donate

- Entities - User, Event, and Organization
 - Cardinality for User is n
 - Cardinality for Event is m
 - Cardinality for Organization is 1
 - Modality for User is 0
 - Modality for Event is 0
 - Modality for Organization is 1
- ⇒ Many users can donate to many events, or one organization
- ⇒ No particular event that a user is restricted to when they donate. There is only one organization the user can donate to, which is the nonprofit organization called Aptiv.

Class Diagram for Aptiv Web App

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