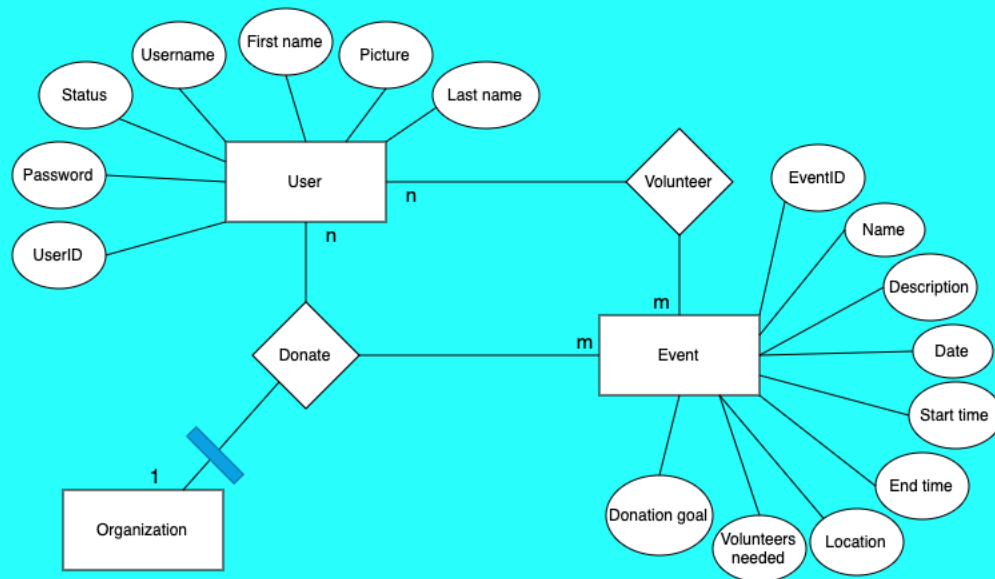


## ER Diagram for Aptiv Web App Database

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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