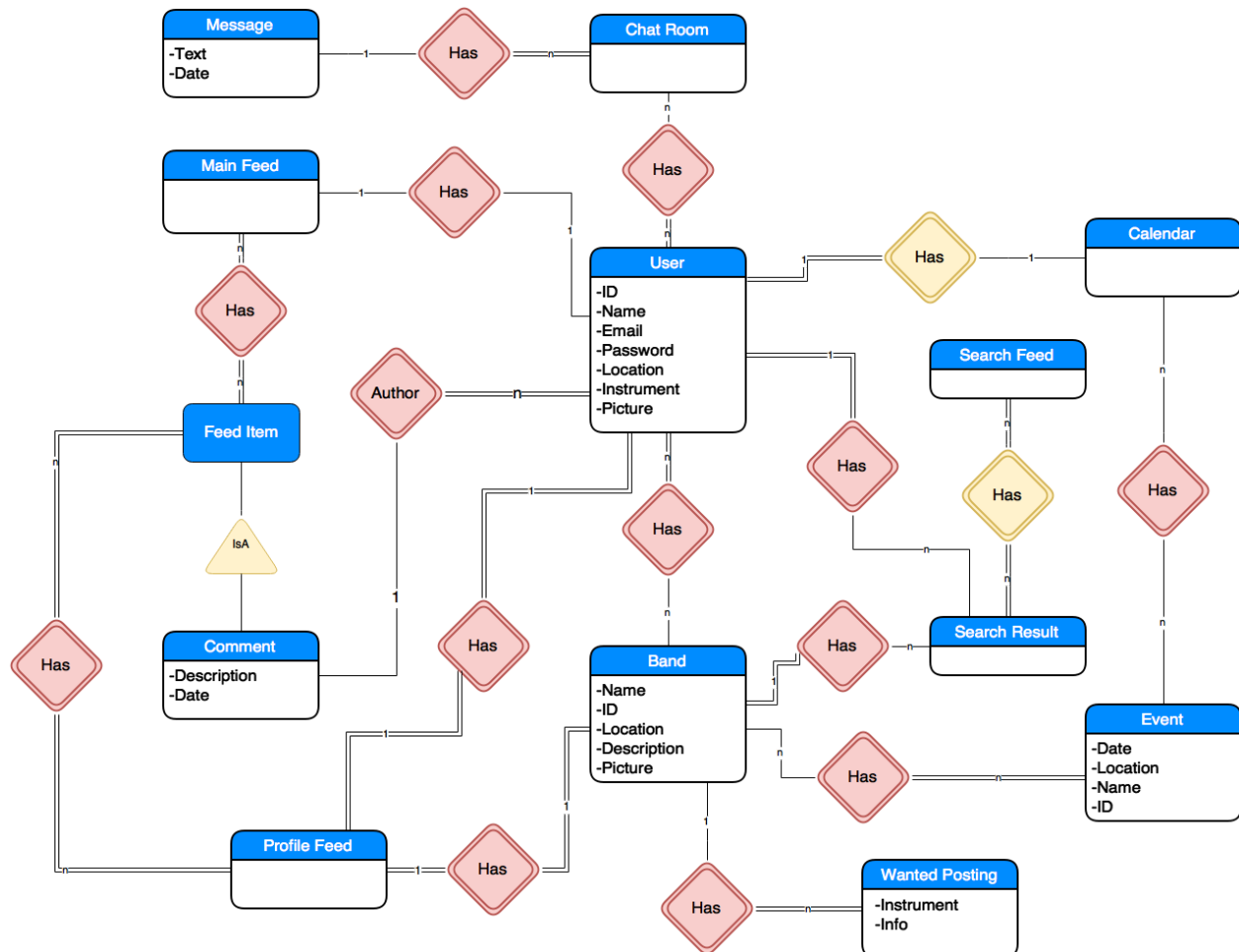


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ER Diagrams
CompSci 326
Pear Group

Our ER Diagram



Entity Descriptions

- **User**
 - A user of our website. Each user has basic information like an ID, name or email.
- **Band**
 - A band is made up of 1 or many users. The band is its own entity that contains information about the group of users.
- **Comment**

- A comment posted on a band page or user page. Comments are not like Facebook comments, but rather a posting on someone's page, possibly saying they like their music.
- **Profile Feed**
 - The feed that will hold all of the comments on user and band pages. Each band and user has 1 profile feed.
- **Main Feed**
 - A feed that holds upcoming events, and new comments. This feed is shown only on the homepage.
- **Feed Item**
 - An individual item that makes up a feed. Can be a comment for example.
- **Wanted Posting**
 - A description of the player needed by the band, including what instrument they play.
- **Calendar**
 - A collection of events.
- **Event**
 - An event listing, which contains the time, location, name and ID of the event.
- **Message**
 - An individual message sent from one user to another.
- **Chat Room**
 - A collection of messages between two users.
- **Search Feed**
 - Contains multiple search results.
- **Search Result**
 - Returned when a search is executed. Can be either a band or user depending on the type of search.

How Pages Will Use Entities

- Every page will use user data in the navbar. On clicking the user's name in the top right, user information like their picture, email and name will be shown. This data comes from the user entity.
- **Homepage**
 - The homepage will contain the main feed which will hold new comments to show the user. Upcoming events will also be shown on the right hand side of the main feed. On the left hand side, if the user is part of any bands, they will show here.
- **Band page**

- Basic band info will be shown on this page. Their name, location description and picture are all part of this info. The wanted posting will also be shown here. The wanted posting will contain info about what kind of members the band is looking for. The band page will also contain a profile feed made up of comments about the band.
- **Profile page**
 - Profile page and band page are very similar. The profile page will also include info about what instrument the user plays. It will also contain a profile feed with comments.
- **Calendar page**
 - The calendar page will show a calendar along with upcoming events. The calendar will be populated with event entities and otherwise will not hold any data. The upcoming events on the right side are also made up of events, showing information about time, location and description.
- **Chat page**
 - The chat page is represented by a chat room entity. The chat room entity will contain multiple messages between two users. Messages will be displayed in chronological order on the chat page. Other than the text, messages will contain the time of sending.
- **Search results page**
 - The search page consists of search filters on the left and a search feed on the bottom. This search feed will contain search results, either bands or users, that correspond with the search query that was executed.
- **Search page**
 - Will not use any entities.