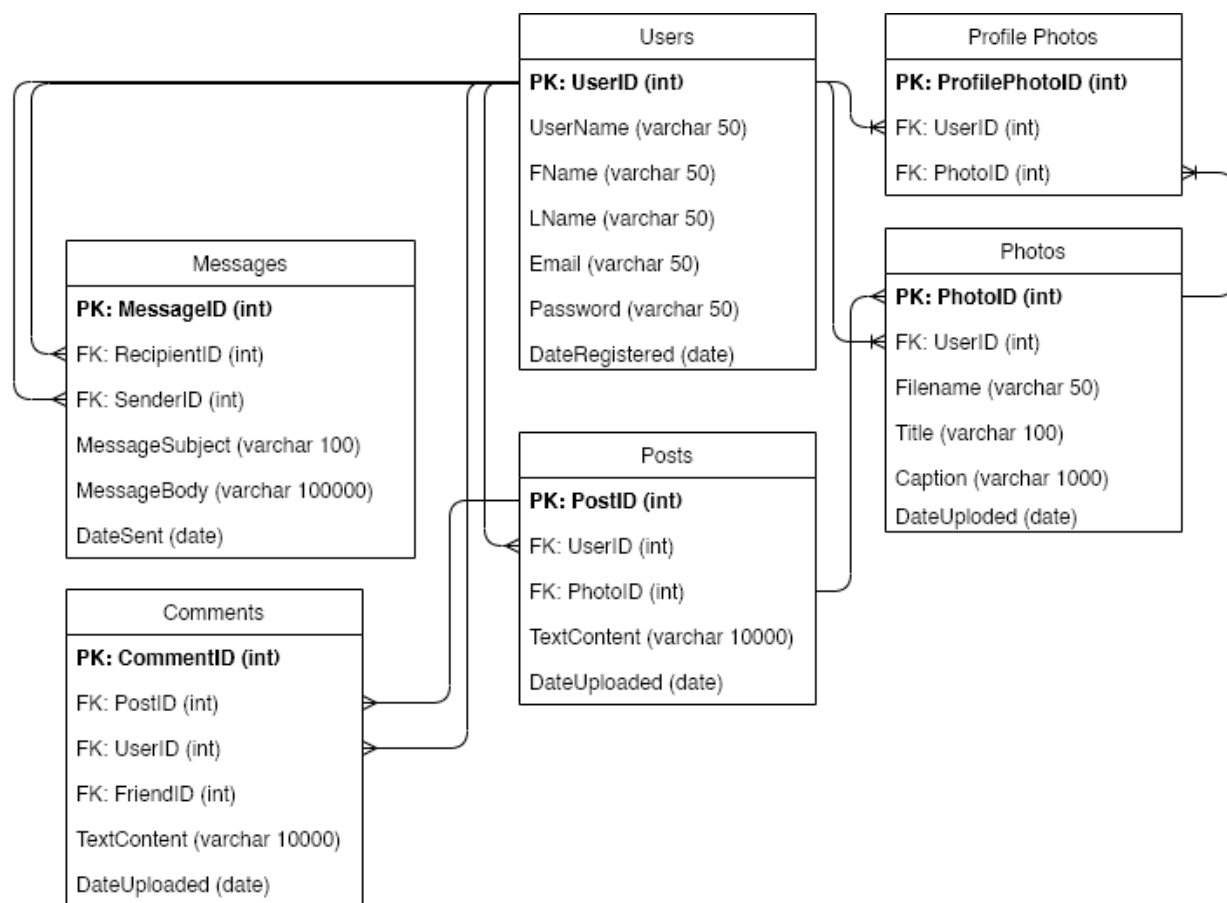# Database Design for **Basics**

For my database, I've opted for a relational database design with MySQL, Node.js and Hapi. I chose a relational database design because my application has many relationships.

The only change I've made here is consolidation of the Users and Friends table

Users: This table holds the essential information for each user.

Posts: This table represents each post identified by a PostID, linked to a UserID and possibly PhotoID

Photos: This table holds all of the photos, linked to a UserID and includes the file information, title and caption.

Profile Photos: A table to represent profile photos, linked to UserID and PhotoID, identified by ProfilePhotoID

Comments: This table holds the comments for posts, and includes the poster's ID and the friend's ID

Messages: The table for the inbox, includes the recipient ID, sender ID, and the message contents/date sent.