



The Project

Online News Portal

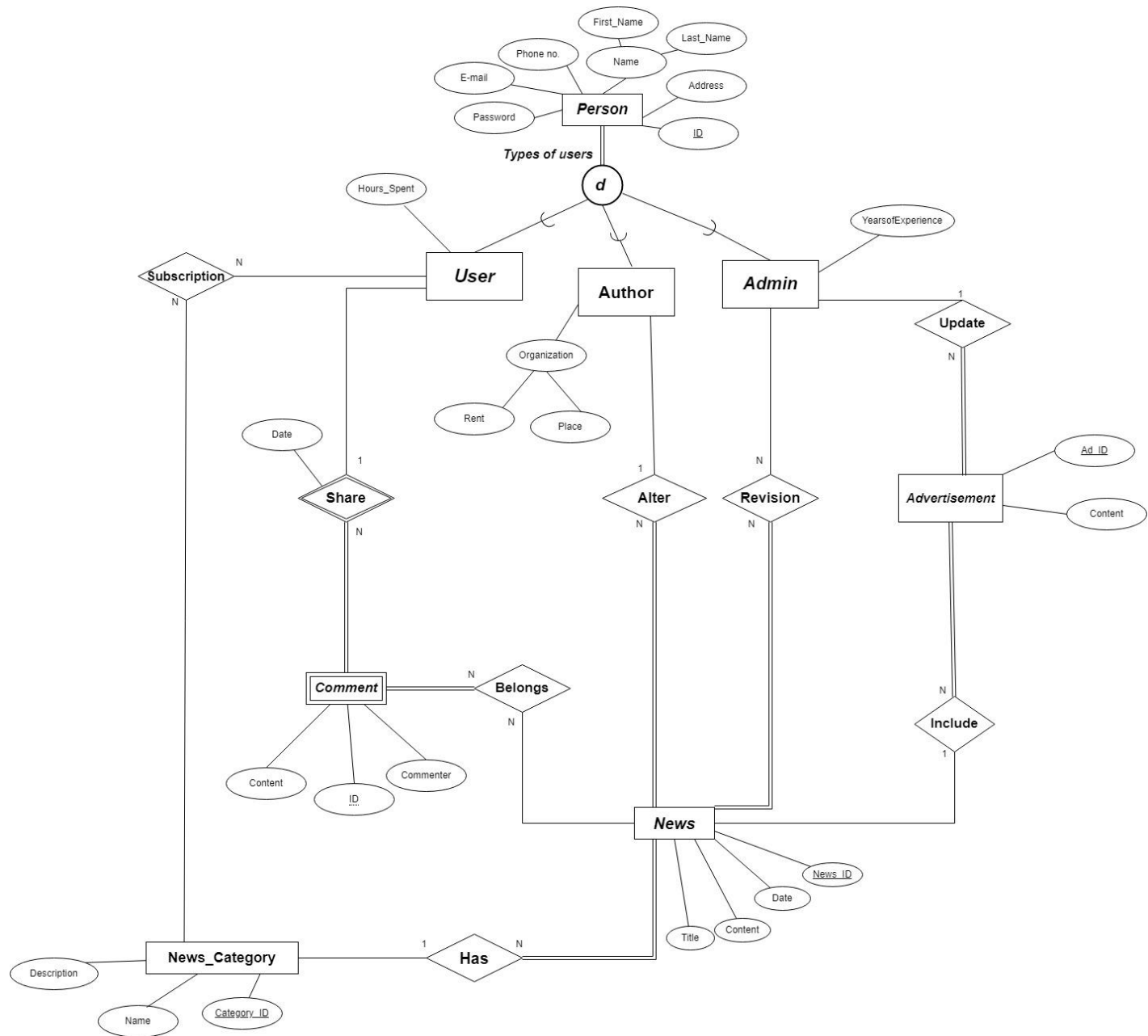
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ER Diagram:



Schema:

Person

<u>ID</u>	Password	F_Name	L_Name	PhoneNo.	E-mail	Address
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Author

<u>Author_ID</u>	Place	Rent
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User

<u>User_ID</u>	Hour_Spent
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News

<u>News_ID</u>	Title	Content	Date	CG_ID	Author_ID
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Admin

<u>Admin_ID</u>	YearsOfExperience
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Revision

<u>Admin_ID</u>	<u>News_ID</u>
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News_Category

<u>Category_ID</u>	Name	Description
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Subscription

<u>USR_ID</u>	<u>Category_ID</u>
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Belong

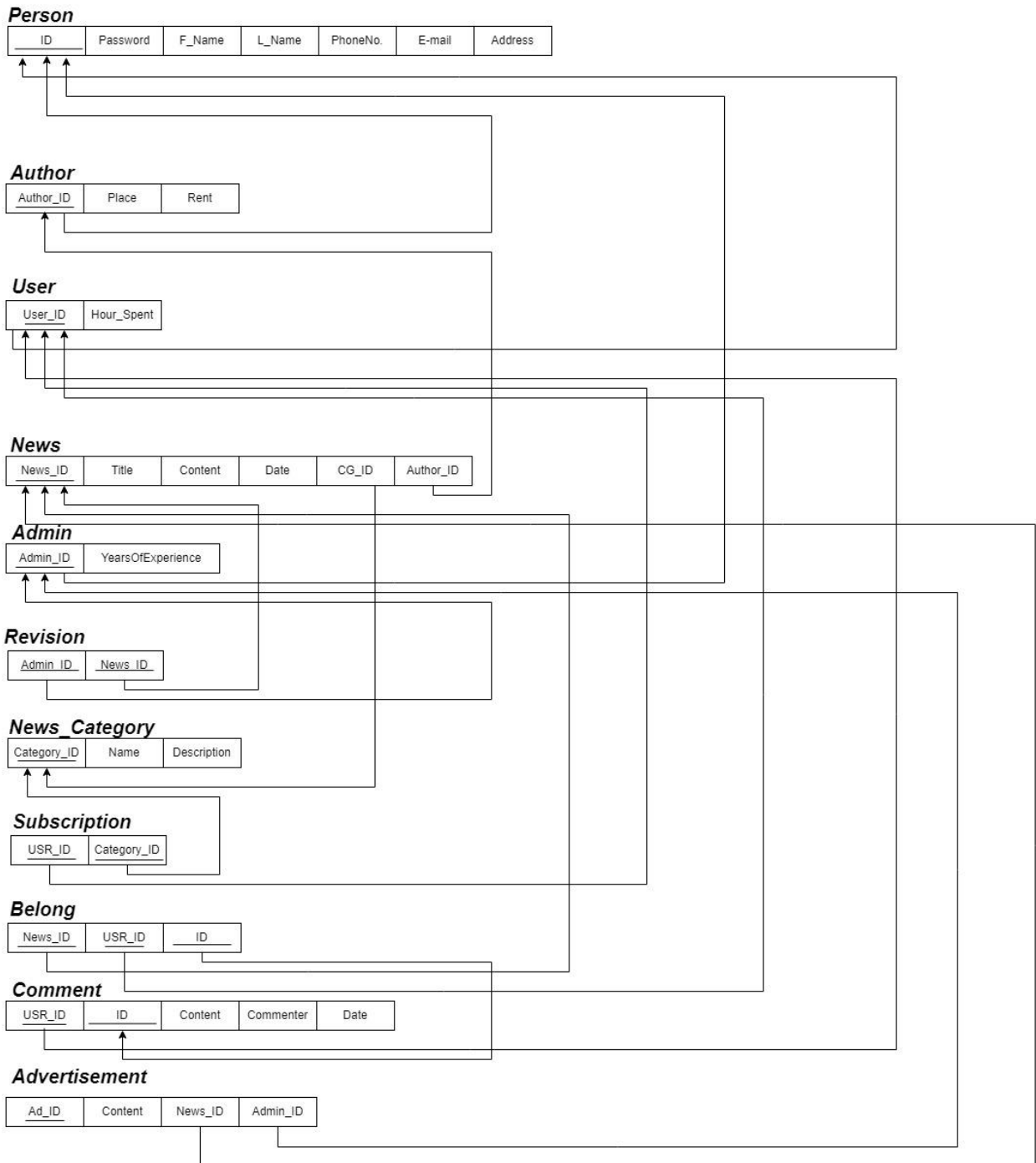
<u>News_ID</u>	<u>USR_ID</u>	<u>ID</u>
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Comment

<u>USR_ID</u>	<u>ID</u>	Content	Commenter	Date
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Advertisement

<u>Ad_ID</u>	Content	News_ID	Admin_ID
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Description:

An online news portal is used by anyone on the internet to browse through the various topics depending on the user's need.

The online news portal database aims to maintain information regarding its users, admins, authors and the news posted on the website, where the information needed to be stored includes:

- Users include their names, ID, address, e-mail, password, phone number and the hours spent on the website.
- Authors include their names, ID, address, e-mail, password, phone number and the organization which is the place they meet up at and has the rent.
- Admins include their names, ID, address, e-mail, password, phone number and the years of work experience they have.
- News articles include their ID, title, content, the date they were published in and the comments posted under it.
- News category include their ID, name and description.
- Users can subscribe to the types of news articles they would like to keep updated with. It's many-to-many, because one user can subscribe to zero or multiple news categories and a singular news category can have multiple users subscribed to it.
- Users' comments on the news articles are also stored with the date they were posted in. It's one-to-many, because one user can write multiple comments, while one comment can only be written by one user.
- Each news article is put into one news category. It's one-to-many, because one news article has to be put into one category, while one category can have multiple news articles.
- Each news article has exactly one author. It's one-to-many, because one author can write zero or more news articles, while a news article can only be written by one author.
- Any admin is assigned to revise zero or more news articles put up by the authors. It's many-to-many, because one admin can revise zero or many news articles and one news article can be revised by multiple admins.

- Advertisements have ID and content.
- Any advertisement can be put up and updated by an admin on the news articles and the website. It's one-to-many, because one admin can put up ads and update them, while one ad can only be put up by one admin.