**KEY ANNOTATIONS:**

In Spring Boot, key annotations help define how the objects in your Java application map to database tables, manage dependencies, and more.

***@Entity:***

- Marks a class as an entity, meaning it will map to a database table.

***@Id:***

- Marks a field as the primary key of the entity.

***@Table:***

- Specifies the table name in the database if it’s different from the class

***@GeneratedValue:***

- Automatically generates values for the primary key, commonly used with @Id.

***@Column:***

- Specifies the details of a column in the table, such as name or uniqueness.

**RELATIONSHIP ANNOTATIONS:**

**One-to-One Relationship:**

Here one entity is associated with exactly one instance of another entity.

For example, a user can have one profile, and each profile belongs to one user.

- ***@OneToOne***: Marks the relationship.

- ***@JoinColumn***: Specifies the foreign key.

**One-to-Many Relationship:**

Here one entity can be associated with multiple instances of another entity.

For example, a restaurant can have multiple reviews, but each review belongs to only one restaurant.

- ***@OneToMany:*** Marks the "one" side of the relationship.

- ***@ManyToOne:*** Marks the "many" side of the relationship.

- ***@JoinColumn:*** Specifies the foreign key on the many side.

**Many-to-Many Relationship:**

Here multiple instances of one entity can be associated with multiple instances of another entity.

For example, a user can have many roles, and a role can be assigned to many users.

-  ***@ManyToMany:*** Marks both sides of the relationship.

- ***@JoinTable:*** Specifies the join table that holds the relationship.

**RESTAURANT\_REVIEW APPLICATION:**

[LalithaRavuri/SpringRestaurantReview](https://github.com/LalithaRavuri/SpringRestaurantReview)