**Model Package :**

**User.Java:**

1. **Class-Level Annotations**

* **@Data (from Lombok):**
  + Automatically generates boilerplate code such as getters, setters, toString, hashCode, and equals methods.
  + Saves time and reduces clutter.
* **@DynamicInsert (from Hibernate):**
  + Ensures that only non-null fields are included in the SQL INSERT statement.
  + Useful for default column values set at the database level.
* **@DynamicUpdate (from Hibernate):**
  + Ensures that only changed fields are included in the SQL UPDATE statement.
  + Improves performance by minimizing the database query payload.
* **@Entity (from JPA):**
  + Marks the class as a Hibernate entity, meaning it maps to a database table.
* **@Table(name = "Users") (from JPA):**
  + Maps this entity to the table named User in the database.

1. **Fields and Annotations**
2. **private static final long serialVersionUID = 1L;**
   * Ensures that the class is compatible during the serialization/deserialization process.
   * Helps maintain a consistent state if the class structure changes.
3. **@Id**
   * Marks the field as the primary key of the entity.
4. **@GeneratedValue(strategy = GenerationType.IDENTITY)**
   * Specifies the primary key generation strategy.
   * IDENTITY means the database auto-generates the primary key value, often using an auto-increment column.