**Fundamental of Database Systems**

**Section: B03**

**Project Phase 1**

**Due Date:** **6/3/2022**

**Group Members**

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4. **Fully Attributed ERD and Resolving the Many-to-Many Relationships**

Diagram

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**(Attached Also in the zip file)**

1. **Resolving Many-to-Many Relationships between entities**

**Relationships:**

1. **Patient\_Register** (1:1) – a viewer can become a patient
2. **Doctor\_Register** (1:1) – a viewer can become a doctor
3. **Add Records** (1:n) – a patient can add multiple records
4. **View** (m:n)- many doctors can view many records
5. Viewer – (**View**) – Topic (1:n) – a viewer can view many topics
6. **Stores** (1:n) – Ministry of health stores multiple medication records
7. Patient- (**Post) –** Comments (m:n) – many patients can post many comments
8. Doctor – (**Post) –** Comments (m:n) – many doctors can post many comments
9. **Adds** (1:n) – a patient can add multiple ratings
10. **Receive** (n:1) – a doctor can receive multiple ratings
11. **Approves** (1:n) – an admin can approve multiple topics
12. **Start** (1:n) – a patient can start multiple topics
13. Doctor – (**Post) –** Topics (1:n) – a doctor can post multiple topics
14. **Have** (1:n) – a topic can have multiple comments

**3)**

**Illustration through ERDPlus (//auto generated through ERD- ONLY FOR IDEA)**

Diagram

Description automatically generated

**Mappings**