

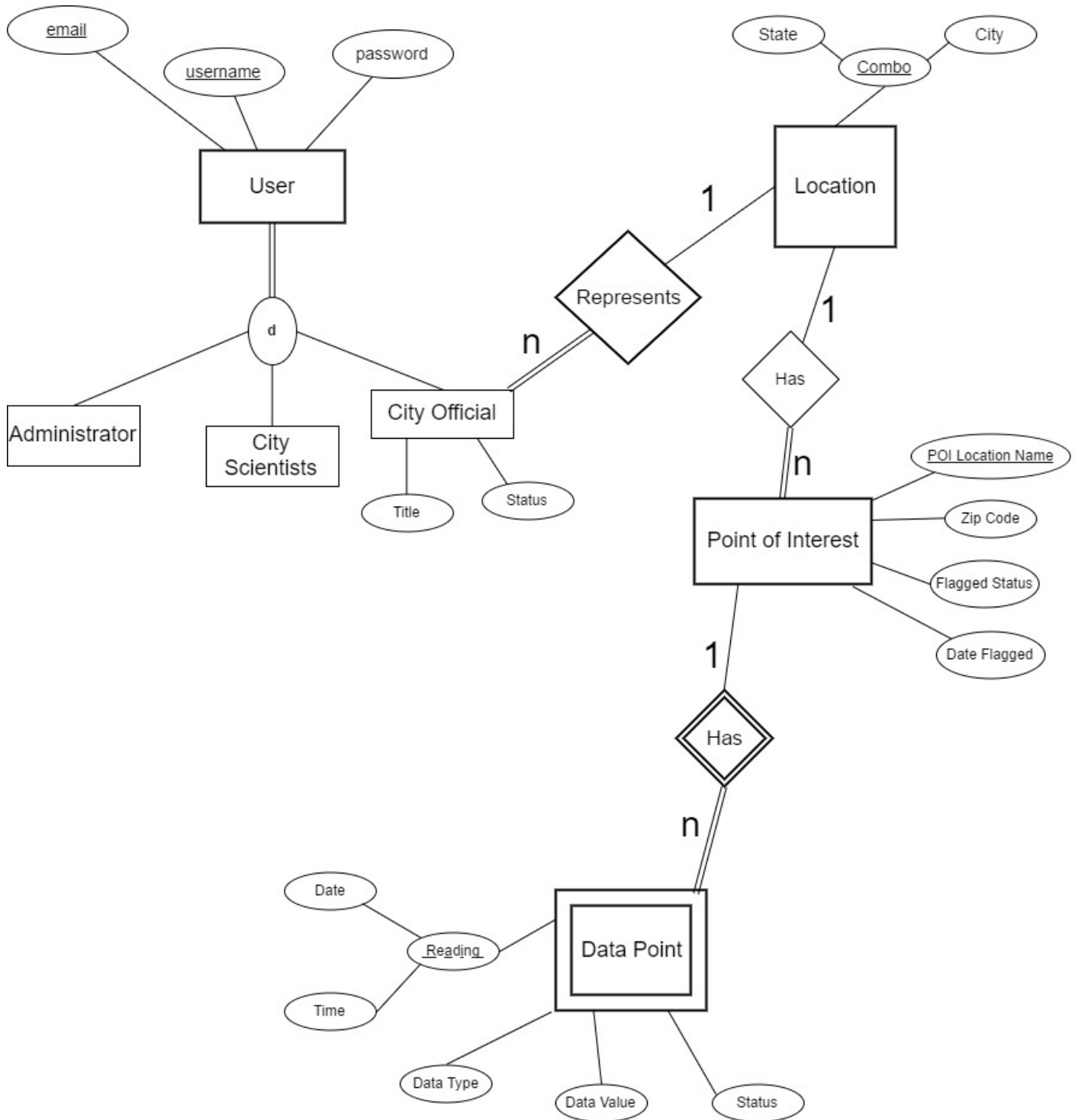


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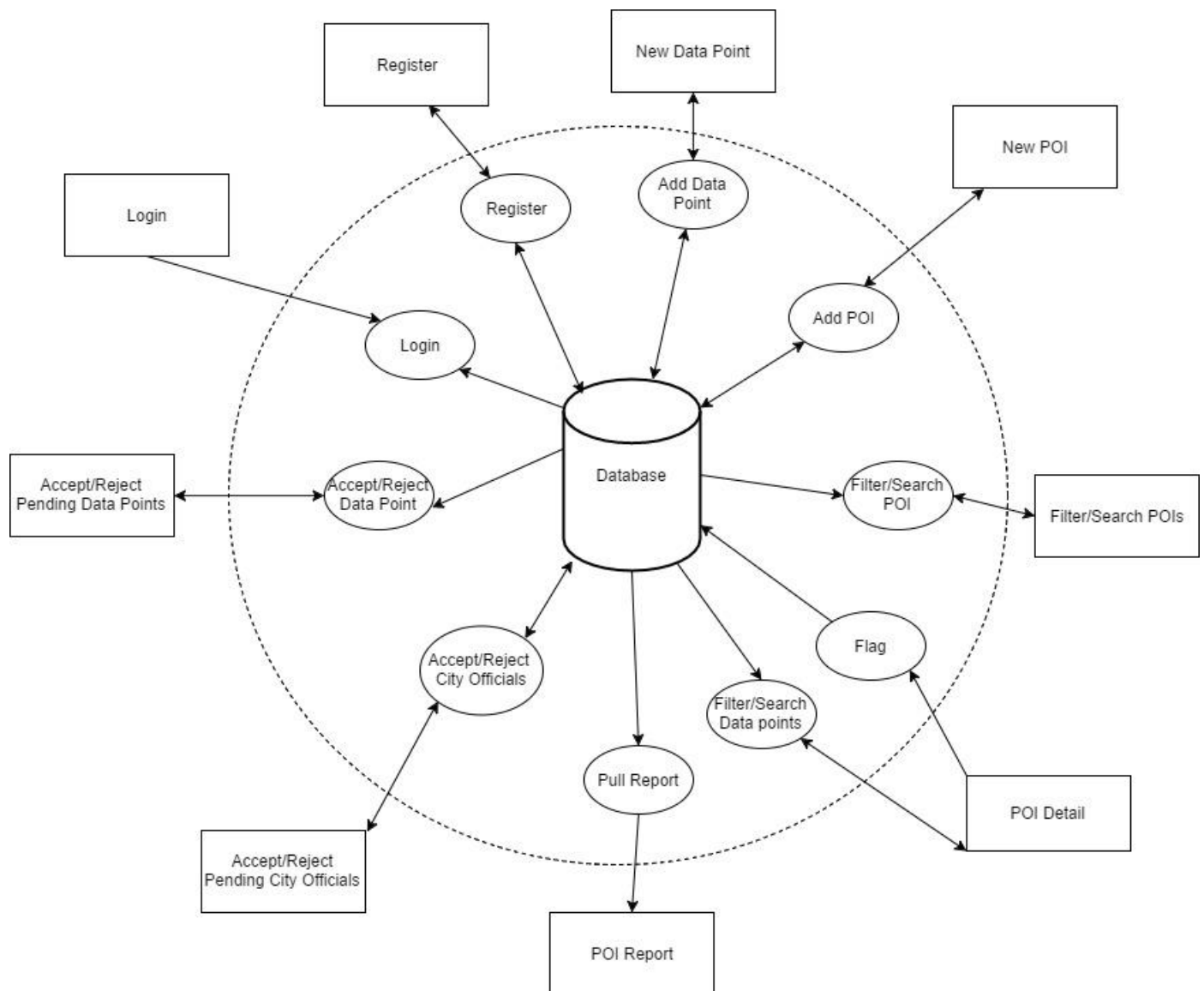
[Phase 1]

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### EER Diagram:



### Information Flow Diagram:



### Logical Constraints:

- When a City Official registers, their **Status** attribute is automatically set to “pending”
- When a Data Point is added, its **Status** attribute is automatically set to “pending”
- If a Point of Interest’s **Flagged Status** attribute is True, then its **Date Flagged** must not be Null
- If a Point of Interest’s **Flagged Status** attribute is False, then its **Date Flagged** must be Null

### Assumptions:

- When a City Official flags a Point of Interest, **Date Flagged** is populated with the current date.
- The Database is pre-populated with all of the Cities and States (satisfies drop down menu feature)
- The Database is pre-populated with the Data Types (mold reading and quality reading) for the Data Points
- The 3 different User types are saved in the database for the registration window