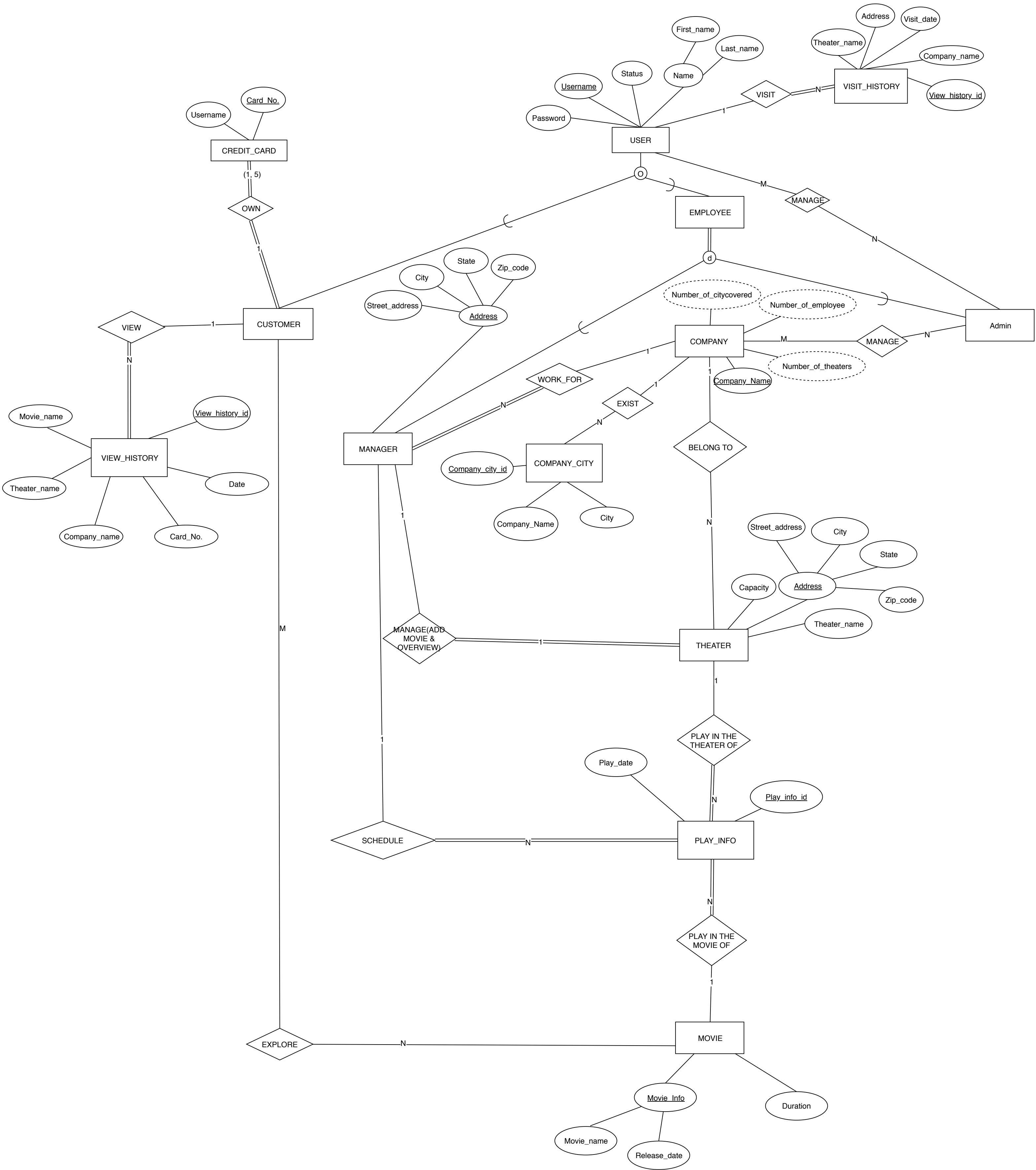


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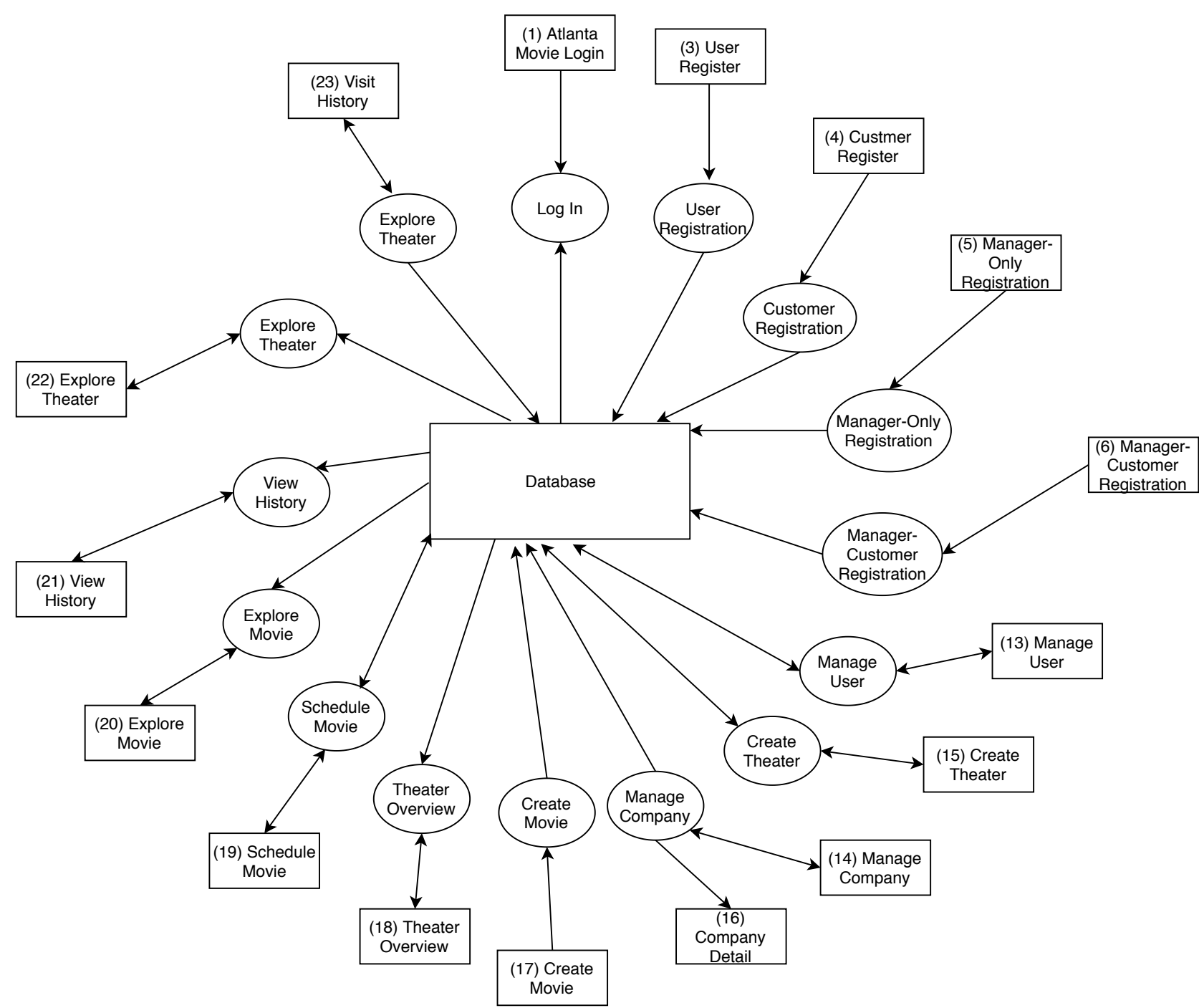
Phase [1]

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Enhanced Entity Relationship(EER) Diagram:



Information Flow Diagram(IFD):



logical constraints:

1. Each customer can watch at most five movies one day.
2. For one movie, its schedule date in theater can't be before its released date.
3. Each customer can own at least one credit card.
4. Each customer can own at most five credit cards.
5. The number of movies released in one theater can't exceed its daily capacity.