**Question 1 Schema**

**Assumptions:**

* A movie can only exist if there already exists a screenplay
* A scene can only exist if the required actors are present and are filmed at the film location

|  |  |  |  |
| --- | --- | --- | --- |
| **Actor** | | | |
| PhoneNumber | Name | Agent | Address |

|  |  |  |
| --- | --- | --- |
| **Scene** | | |
| Story-Location | Film-Location | Takes |

|  |  |
| --- | --- |
| **Movie** | |
| Cutlist | Screenplay-Title |

|  |  |  |
| --- | --- | --- |
| **Screenplay** | | |
| Title | Story-Location | Author |

|  |  |  |  |
| --- | --- | --- | --- |
| **Required Actors** | | | |
| Story-Location | PhoneNumber | Name | Actors |

**Foreign Keys:**

*Table* attribute -> *table* attribute

*Required Actors* PhoneNumber -> *Actor* PhoneNumber

*Required Actors* Name -> *Actor* Name

*Required Actors* Story-Location -> *Screenplay* Story-Location

*Screenplay* Story-Location -> *Scene* Story-Location

*Movie* Screenplay-Title -> *Screenplay* Title