

Task 3: (E)ER-diagram to Relational Mapping

Step 1:

(Mapping of strong entities)

USER

| | | | | | | |
|---------------|----------|----------|-------|---------|-------------|-------------------|
| <u>UserID</u> | username | password | email | country | dateOfBirth | subscription_plan |
|---------------|----------|----------|-------|---------|-------------|-------------------|

REVIEW

| | | |
|-----------------|---------|--------|
| <u>ReviewID</u> | comment | rating |
|-----------------|---------|--------|

CONTENT

| | | | | | |
|------------------|----------|-------|-------|-------------|------------|
| <u>ContentID</u> | language | genre | title | releaseDate | IMDBrating |
|------------------|----------|-------|-------|-------------|------------|

CREW

| | |
|---------------|------|
| <u>CrewID</u> | name |
|---------------|------|

Step 2:

(Mapping of weak entities)

N/A

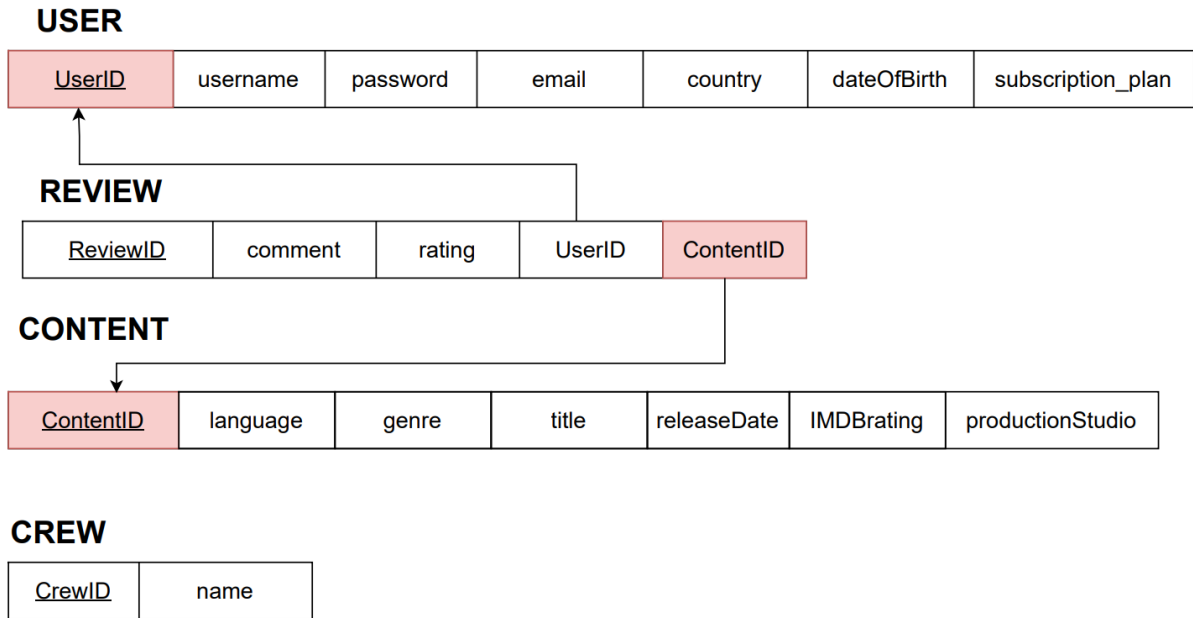


Step 3:

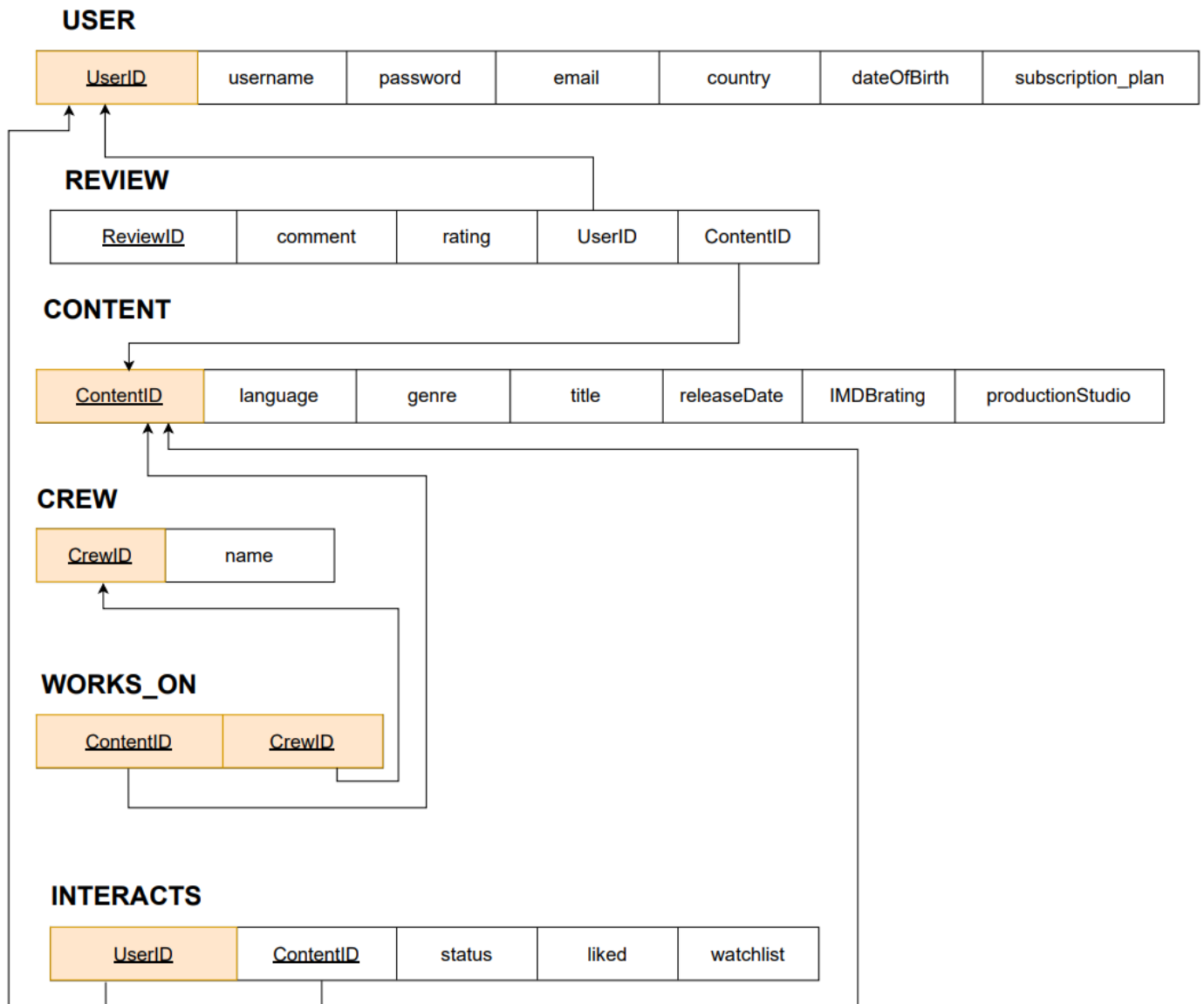
(Mapping of 1:1 relationships)

N/A

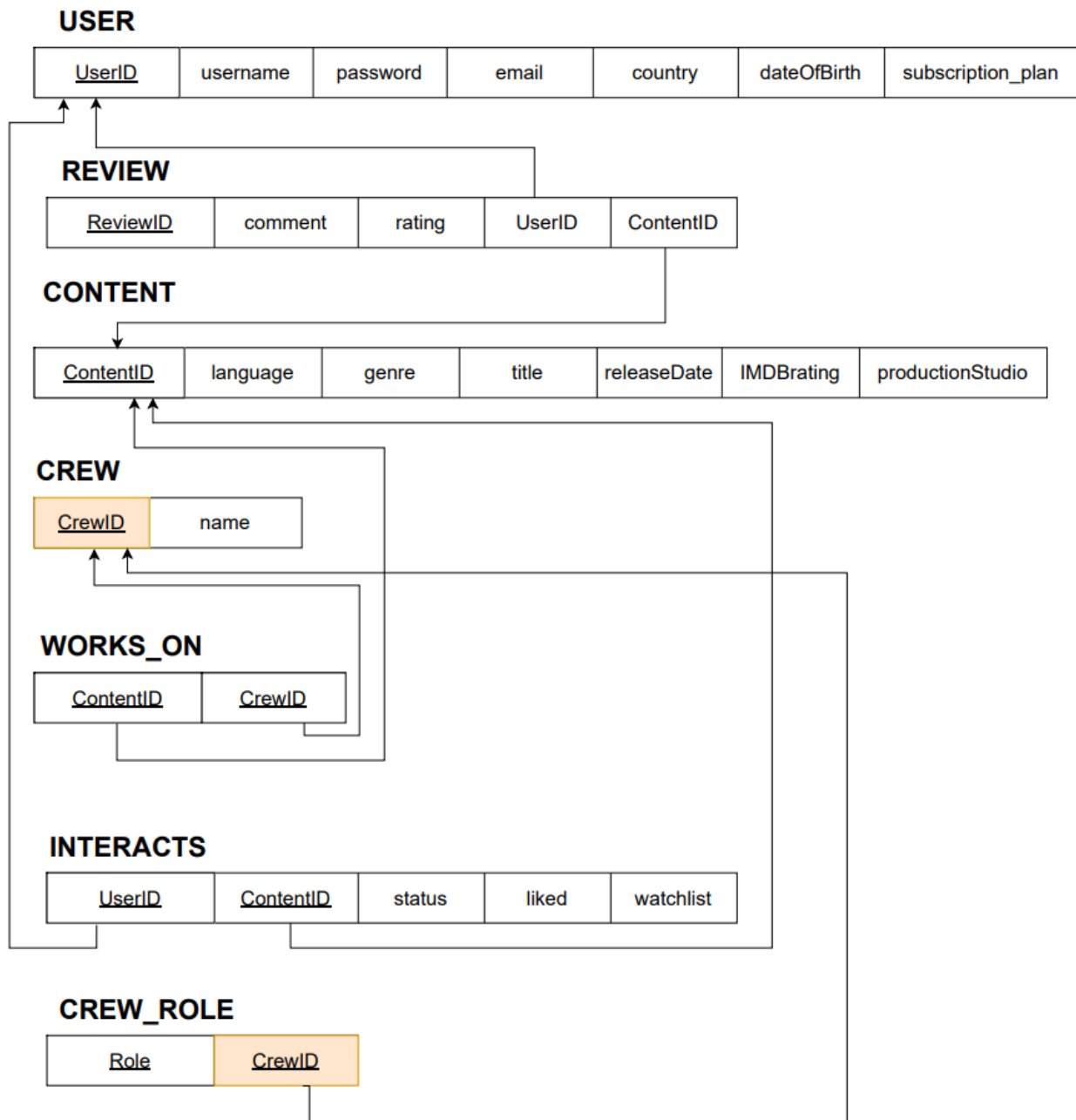
Step 4:
(Mapping of 1:N relationships)



Step 5:
(Mapping of M:N relationships)



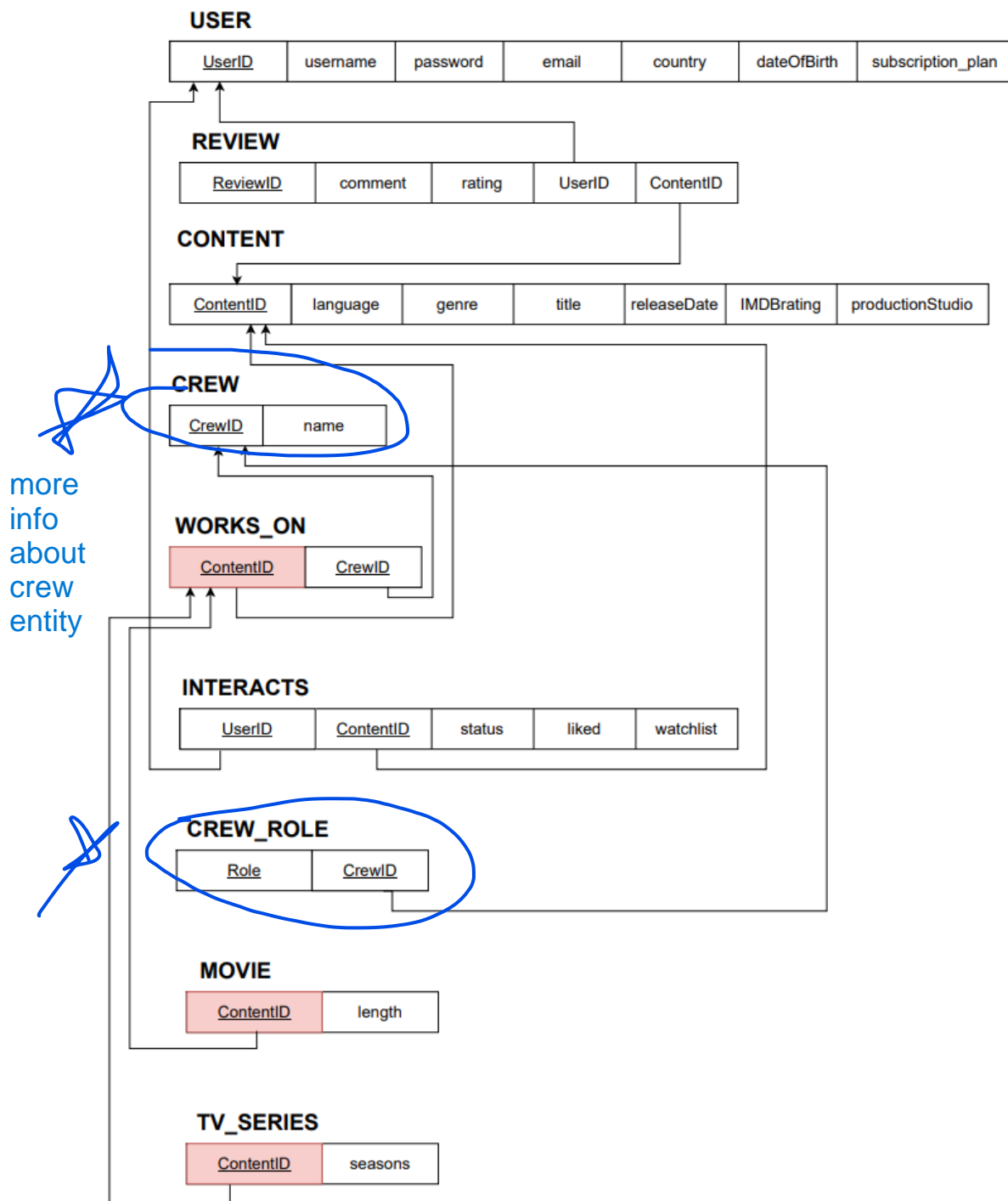
Step 6:
(Mapping of multivalued attributes)



Step 7:
(Mapping of n-ary relationships)

N/A

Step 8:
(Mapping specialisation and generalisation)



Step 9:
(Mapping unions)
N/A