

**Volgenau School of Engineering**

*Department of Computer Science*

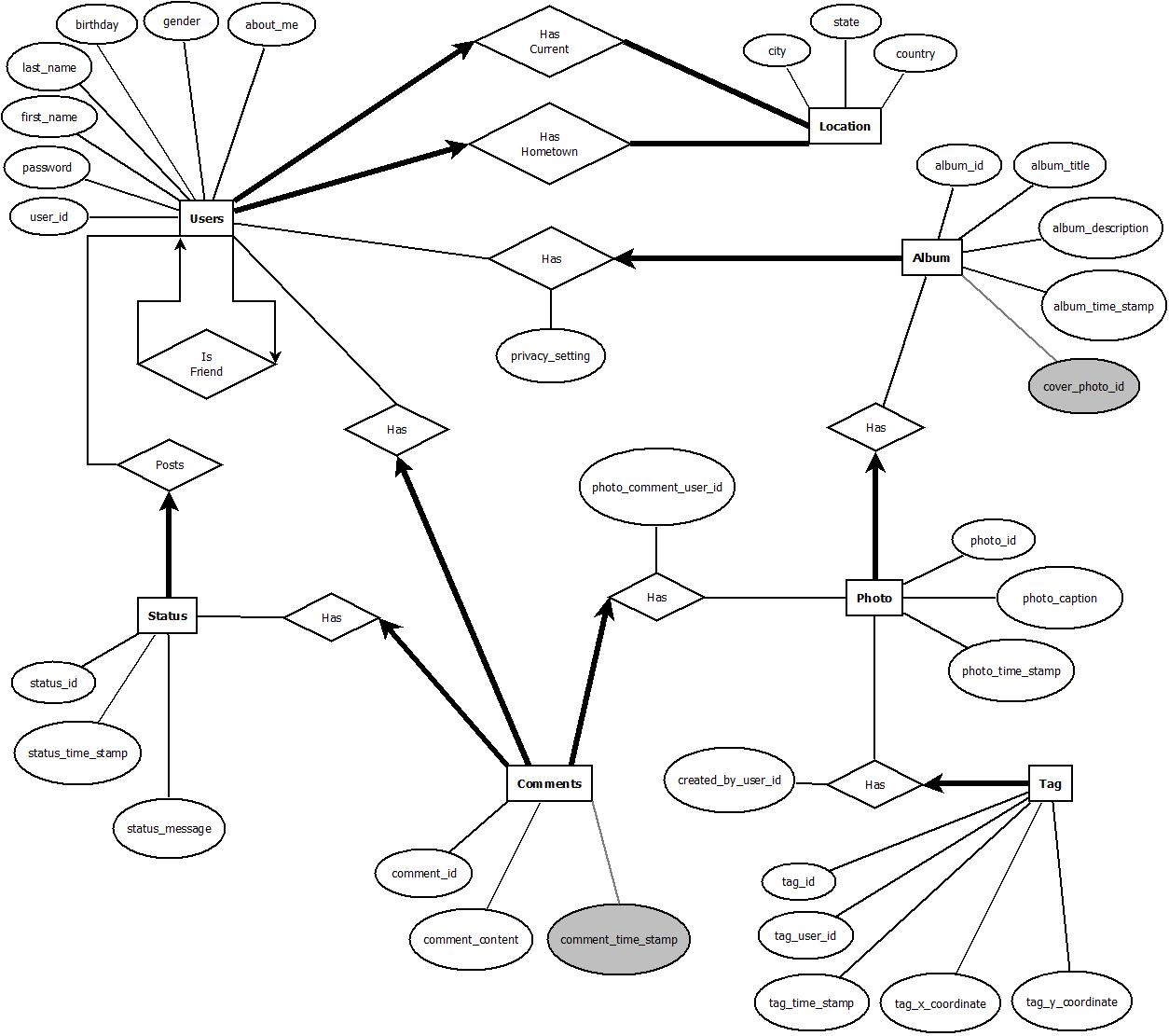
**INFS 614 – DATABASE MANAGEMENT**

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**Project Phase 2**

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Relational Schema

**Users**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id | username | password | first\_name | last\_name | birthday | gender | about\_me |

Primary Key – user\_id, username

Users (user\_id: integer, username: VARCHAR(20), password: VARCHAR(10), first\_name: VARCHAR(20), last\_name: VARCHAR(20), birthday: date, gender: VARCHAR(1), about\_me: VARCHAR(100))

**Comments**

|  |  |  |
| --- | --- | --- |
| comment\_id | comment\_content | comment\_time\_stamp |

Primary Key – comment\_id

Comments (comment\_id: integer, comment\_content: VARCHAR(200), comment\_time\_stamp: timestamp)

**Status**

|  |  |  |
| --- | --- | --- |
| status\_id | status\_time\_stamp | status\_message |

Primary Key – status\_id

Status (status\_id: integer, status\_time\_stamp: timestamp, status\_message: VARCHAR(200))

**Album**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| album\_id | album\_title | album\_description | album\_time\_stamp | cover\_photo\_id |

Primary Key – album\_id

Foreign Key – cover\_photo\_id REFERS Photo.photo\_id

Album (album\_id: integer, album\_title: VARCHAR(20), album\_description: VARCHAR(200), album\_time\_stamp: timestamp)

**Photo**

|  |  |  |
| --- | --- | --- |
| photo\_id | photo\_caption | photo\_time\_stamp |

Primary Key – photo\_id

Photo (photo\_id: integer, photo\_caption: VARCHAR(50), photo\_time\_stamp: timestamp)

**Tag**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| tag\_id | tag\_user\_id | tag\_time\_stamp | tag\_x\_coordinate | tag\_y\_coordinate |

Primary Key – tag\_id

Foreign Key – tag\_user\_id REFERS Users.user\_id

Tag (tag\_id: integer, tag\_time\_stamp: timestamp, tag\_x\_coordinate: integer, tag\_y\_coordinate: integer)

**UserIsFriend**

|  |  |
| --- | --- |
| user\_id | friend\_id |

Foreign Key – user\_id REFERS Users.user\_id, friend\_id REFERS Users.user\_id

**UserHasCurrentLocation**

|  |  |  |  |
| --- | --- | --- | --- |
| user\_id | city | state | country |

Foreign Key – user\_id REFERS Users.user\_id

UserHasCurrentLocation (city: VARCHAR(20), state: VARCHAR(2), country: VARCHAR(20))

**UserHasHomeTown**

|  |  |  |  |
| --- | --- | --- | --- |
| user\_id | city | state | country |

Foreign Key – user\_id REFERS Users.user\_id

UserHasHomeTown (city: VARCHAR(20), state: VARCHAR(2), country: VARCHAR(20))

**UserHasAlbum**

|  |  |  |
| --- | --- | --- |
| user\_id | album\_id | privacy\_setting |

Foreign Key – user\_id REFERS Users.user\_id, album\_id REFERS Album.album\_id

UserHasAlbum(privacy\_setting: VARCHAR(10))

**UserPostsStatus**

|  |  |
| --- | --- |
| user\_id | status\_id |

Foreign Key – user\_id REFERS Users.user\_id, status\_id REFERS Status.status\_id

**UserHasComment**

|  |  |
| --- | --- |
| user\_id | comment\_id |

Foreign Key – user\_id REFERS Users.user\_id, comment\_id REFERS Comments.comment\_id

**StatusHasComment**

|  |  |
| --- | --- |
| status\_id | comment\_id |

Foreign Key – status\_id REFERS Status.status\_id, comment\_id REFERS Comments.comment\_id

**AlbumHasPhoto**

|  |  |
| --- | --- |
| album\_id | photo\_id |

Foreign Key – album\_id REFERS Album.album\_id, photo\_id REFERS Photo.photo\_id

**PhotoHasTag**

|  |  |  |
| --- | --- | --- |
| photo\_id | tag\_id | created\_by\_user\_id |

Foreign Key – photo\_id REFERS Photo.photo\_id, tag\_id REFERS Tag.tag\_id,

created\_by\_user\_id REFERS Users.user\_id

**PhotoHasComment**

|  |  |  |
| --- | --- | --- |
| photo\_id | comment\_id | photo\_comment\_user\_id |

Foreign Key – photo\_id REFERS Photo.photo\_id, comment\_id REFERS Comment.comment\_id,

photo\_comment\_user\_id REFERS Users.user\_id