**Database Application 25%**

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Design Specs:

* At least one 1 to many relationship
* 6-8 Entities
* At least one many to many relationship
* Use a variety of datatypes: numeric, var char, int etc…
* Need a notepad file with insert statements etc.
* Due date Wk 12 9th December

App name:

Anime Organiser

App Description:

The application stores information about anime (Japanese animation**)**.The application also allows the users to store information about anime that they are interested in. It allows the user to flag what they have completed, comment on anime and rate them.

Not Normalised Form:

Anime Name, Anime Description, Episode Count, Anime Release Date, Anime Completion Date, Anime Genre, Studio Name, Studio Founding Year, Completion Status, Show Comments

Actor Name, Actor DOB, Character Name, Character Gender, Character Description,

User Name, User Password, User email, Profile Name, Profile Description, User DOB, User Rating, Completion Status, Anime Comments

First Normalised Form:

**Anime** (*Anime Id*, Anime Name, Anime Description, Episode Count, Anime Release Date, Anime Completion Date, Anime Genre, Studio Name, Studio Founding Year, Completion Status, Show Comments)

**Voice Actors** (*Actor\_Id*, *Anime Id*, Actor Name, Actor DOB, Character Name, Character Gender, Character Description,)

**User** (*User Id*, *Anime Id*, User Name, User Password, User email, Profile Name, Profile Description, User DOB, User Rating, Completion Status, Anime Comments)

Second Normalised Form:

**Anime** (*Anime Id*, *Studio Id*, Anime Name, Anime Description, Anime Genre, Episode Count, Anime Release Date, Anime Completion Date, Studio Name, Studio Founding Year)

**Characters** (*Anime Id*, *Actor\_Id*, Character Name, Character Gender, Character Description,)

**Voice Actors** (*Actor\_Id*, Actor Name, Actor DOB)

**User Watched Anime** (*Anime Id*, *User Id*, User Rating, Completion Status, Anime Comments)

**User** ( *User Id*, User Name, User Password, User email, Profile Name, Profile Description, User DOB)

Third Normalised Form:

**Anime** (*Anime Id*, *Studio Id*, Anime Name, Anime Genre , Anime Description, Episode Count, Anime Release Date, Anime Completion Date,)

**Characters** (*Anime Id*, *Actor\_Id*, Character Name, Character Gender, Character Description,)

**Voice Actors** (*Actor\_Id*, Actor Name, Actor DOB)

**Studio** (*Studio Id*, Studio Name, Studio Founding Year)

**User Watched Anime** (*Anime Id*, *User Id*, User Rating, Completion Status, Anime Comments)

**User** ( *User Id*, User Name, User Password, User email, Profile Name, Profile Description, User DOB)

Where to find everything:

**Entity Relationship Model Visio**

* **Entity – Relationship Model**

**Database Creation Statements.txt/animeorganiser.sql**

* **Tables - data types, constraints, test data**
* **Triggers**
* **Indexes**
* **Views**
* **Stored Procedures**
* **Database Administration**

**Test Statements.txt**

* **Database Connectivity (select, insert, delete, update)**
* **Transactions**
* **Calling Triggers, Views, Procedures**

**Eclipse Project JDBC Folder/JDBC.jar**

* **Java – prepared statements**