**COMP229 – Advanced Web Application Development**

**Team Project – Personal Library - Value 15%**

**Part 1 (Project Concept & Setup)** – **10 Marks**

* Initial Project Structure Setup.
  + Major elements in place.
  + File/Folder structure established.
* Page Comment Headers.
* First Draft of External Document.
* GitHub Repo.

**Due: Friday, 18 November 2016 @ 11:59:59 pm**

**LATE DEADLINE: Sunday, 20 November 2016 @ 11:59:59 pm**

**Part 2 (Main Tracking Page, DB & Partial Function)** – **10 Marks**

* At least one Item on Main Page.
* Main Tracking Page Setup.
* Database Structure Setup.
  + Tables, relationships, etc.
* Method Comments & Contextual Variables.
* Updated External Document.
* Updated GitHub Repository with frequent commits from all group members.

**Due: Friday, 25 November 2016 @ 11:59:59 pm**

**LATE DEADLINE: Sunday, 27 November 2016 @ 11:59:59 pm**

**Part 3 (Full Functionality & Site Security)** – **20 Marks**

* Site Security and Admin Pages.
  + CRUD functions are admin only.
* Full Site Functionality.
* Updated Responsive Design and Structure.
  + Implemented via proper CSS and Bootstrap implementation.
* Add any additional Inline Comments.
* Final Version of External Document.
* Updated GitHub Repository with frequent commits from all group members.

**Due: Friday, 02 December 2016 @ 11:59:59 pm**

**LATE DEADLINE: Sunday, 04 December 2016 @ 11:59:59 pm**

**Main Functionalities**

* Create, Read, Update, Delete Item
  + User
* Create, Read, Update, Delete Item
  + Book
  + Game
  + Movie
  + Series
  + Generic
* Report the general number of items, average by user, items from specific user, most recent items, currently loaned items, report by user, report by item, report actions by date.
* How many users finished the item, the items user score review, editors choice,
* Consult services on Internet that provide extra information (using webservices ) (Amazon api)

**Database Structure**

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Database Diagram

Table Item

* id
* name
* type -> Table StuffType (id, media\_type)
* description
* status -> Table StuffStatus(id, status (wanted, loaned, owned)
* cover\_image
* publisher
* release\_date
* info\_url
* language
* quantity
* registered\_date
* registered\_by
* updated\_date
* updated\_by

Table Book

* id
* isbn
* author
* type -> MediaType(id, type (Romance, Fiction, Non-Fiction, …))
* pages
* edition
* ebook

Table Movie

* id
* imdb
* director
* studio
* type->MediaType(id, type (Romance, Fiction, Non-Fiction, …))
* duration
* digital\_copy
* stream\_service -> DigitalService(id, service(AppleStore, GoogleStore, Steam, Netflix)

Table Game

* id
* ASIN
* ESRB
* studio
* Platform
* Type -> GameType (multiplayer, rpg, shooter, adventure, …)

Table Serie

* id
* asin
* season
* producer
* studio
* type->MediaType(id, type (Romance, Fiction, Non-Fiction, …))
* duration
* digital\_copy
* stream\_service -> DigitalService(id, service(AppleStore, GoogleStore, Steam, Netflix)

Table Review

* id
* stuff\_id
* user\_id
* registered\_datetime
* score (1-5)
* note (varchar)

Table Loan

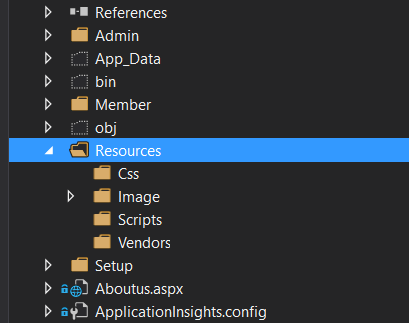
* id
* stuff\_id
* user\_id
* start\_loan
* defined\_end\_loan
* real\_end\_loan
* loan\_closed
* loan\_closed\_with\_reservations
* notes
* registered\_datetime

Table User

* id
* username
* password
* first\_name
* last\_name
* email
* address
* country
* province
* city

**Folder Structure**

The files are organized inside the folder Resources as showed on the image below. Vendors contains all libraries for third part companies (Jquery, Bootstrap, etc)



**Typografy – Not Defined –**

**Color Schema**

**General Items**

* White - #FFFFFF
* Black - #000000
* Green - #76CA7D
* Blue - # 042DAD



App Logo

**Font Colors - Not Defined -**

**Table Colors – Not Defined -**

**Wireframe**

The result maybe would be present differences from the wireframes showed below due to the framework used and/or programming and security restrictions.

The images are used only with the purpose of evaluate the usability and positions of interface’s elements. The colors presented doesn’t correspond to the product final. Please consult the Color Schema section to be informed about the app color scheme.

**Mobile**



C:\Users\luize\AppData\Local\Microsoft\Windows\INetCacheContent.Word\Mobile2.png

**Desktop**

