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|  |  | HDip Software Development  **SWDEV2017**  **Transition Year:**  **Music and Life Program**  Patrick Wolohan   |  |  | | --- | --- | | *Date : 02/03/2018* |  | |  |  | |  |  | | *Version:* | *1* | | *Status:* | *Draft / Release* | |  |  | |  |  | |  |  | |

Document Control

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| Version History | | | |
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| Changes since last version |
| Updated Personal Information |

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| Known Omissions |
| None |

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# Transition Year: Music and Life Program

### 

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### Project Completion Rubric

#### Compiled & Running Code

##### Run.Command

##### Jar File

#### Assignment.md containing the following

#### Functionality Implemented

Libraries

##### Log4j2

##### JOpt -d

##### JOpt -v

##### Sqlite Database

##### Factory Pattern Implementation

Functionality

##### Menu

##### List Of Users

##### List of Users Pick a User

##### List Of all Music

##### Exit

##### Remain on the Menu until exit chosen

#### Understanding

##### Presentation of Assignment

##### Answers to questions

#### Proof of Tools and Quality Use

##### Maven Usage

##### Github with master Branch

##### Github with development branches

##### Trello Scrumboard

##### Requirements.md document

### Learning not Yet Achieved

This project has given me the opportunity to build upon my existing software development knowledge   
and experience and expand it using software development tools Eclipse and Java.

The design build and testing of this project application has provided me with an opportunity to use   
the “Transition Year: Music and Life Program” Software development project to:

Demonstrate the use of development tools:

* GIT
* MAVEN
* Eclipse

Demonstrate how to use Eclipse

Provide a refresher of OOP in Java

Provide an introduction to project file structure layout - MAVEN

Archetype - Show how to setup Log4j2 -   
Provide examples of pattern use

* Singleton
* Strategy
* Factory
* DAO

Provide an MVC example –

Demonstrate the use of parameters on the command line,

JOpt Library

Demonstrate database access methods and patterns based on SQLite and java JDBC libraries –

Demonstrate Reflection, Exceptions, Lists, Maps, File handling

### Difficult Aspects of Project

The difficult aspects of this project have included use of all the tools and strategies to achieve the desired result.

The description of the project in the project outline bears little resemblance to the code provided in the labs.

### What I would have done differently

### References