PYTHON/MySQL PROJECT CHALLENGE RUBRIC						
	Database Principles using				**Possible Mark**	**Mark Obtained**
	Understanding problem as reflected by the design structures					
	Create a database with an appropriate name.					
	2		2	0	**2**	
	Database Created with appropriate name		Database created but name inappropriate	No database created		
	Create the tables and add **the fields**					
	8	6	4	2	**8**	
	All required tables and fields appropriate	Only 3/4 of the tables created with appropriate fields	Half of the tables created with appropriate field sizes	Only1/4 of tables created		
	Use of relationships					
	8	6	4	2	**8**	
	All primary keys and foreign keys identified and linked correctly	Tables created with keys incorrectly linked causing some errors	Tables created with only primary keys and more a relationship	Tables created but no relationships. Only primary keys set up		
	Database Backup				**2**	
	Database backup submitted together with the task		Database not submitted			
	2		0			
	SQL STATEMENTS					
	Advanced and appropriate SQL code implemented	Three quarters of SQL code work and produce desired results	Half of the SQL code implemented and produce	Less than half of the SQL code implemented		
	8	6	4	2	**8**	
	Command Line Interface-Readability and communicates clearly with user on input request and out display					
	Advanced	Skilled	Intermediate	Basic	**8**	

	8	6	4	2		
	Connection to the database					
	Correct connection to the database with MySQL module imported and cursor	Connection to the database with MySQL module imported but hive errors	Database connection partially complete OR cursor not declared	Incorrect declaration of connection or cursor		
	8	6	4	2	**8**	
	Use of iteration structures. (For loop, Do While,)					
	8	6	4	2	**8**	
	Used appropriate and most effective repetition structures to solve the problem in all instances	Used appropriate and most effective repetition structures in most instances	Appropriate and most effective use of repetition structures in less than 50% of the instances	Inappropriate or ineffective use of repetition structures		
	Use of Functions, (parameter passing) including in-built functions					
	8	6	4	2	**8**	
	Excellent interaction/ communication between modules/classes. Includes parameter passing	Proficient/appropriate use of modules/functions or other sub-procedures with small flaws. Includes parameter passing between modules/ functions or other sub-procedures but not always appropriate or correct.	Limited use of modules/functions or other sub-procedures. Limited parameter passing	No use of modules/functions or other sub-procedures. No parameters passed		
	Complexity of Code					
	8	6	4	2	**8**	

	Advanced. Other techniques such as OOP implemented and testing	Skilled Some sections of code produce errors. Some testing attempted.	Intermediate Average skills implemented	Basic Very limited skills learnt in the course have been implemented		
	Error/Exception Handling					
	8	6	4	2	**8**	
	Excellent exception handling by the use of selection structures and try, catch statements. Proper Feedback given to users.	Exceptions minimized by the use of selection structures and try, catch statements. No Feedback given to user	Exception minimized by the use of selection structures only. No Feedback given to the user.	Attempt to implement exception resulted in logic or syntax errors		
	Program Compiles Successfully					
	8	6	4	2	**8**	
	No run time or syntax errors. All the options are executed successfully	Program produce runtime errors only	Some of the options produce errors when executed	Majority of the code produces errors. No evidence of tests		
	Output					
	6		4	2	**6**	
	Output correct Matches the user requirements		Some sections produce incorrect output	Incorrect logic. Not meeting user requirements		
	Program Documentation					
	8	6	4	2	**8**	
	Code well documented in all paths	75% of code documented	Only 50%of code is documented	Just 20% of the code is documented		
General Evaluation	**Time Management: (0 = always late, work was never done)**					
	8	6		4	**8**	

	All deadlines met	Project submitted few hours after due date	Project submitted after interventions		
				106	

FINAL COMPETENCE LEVEL INDICATORS				
Outstanding	**Highly competent**	**Compete nt**	**Not yet competent**	**Not achieved**
5	**4**	**3**	**2**	**1**
Student's Competence Level:	**PASS** ☐		**FAIL** ☐	
Student's Name and Signature:				
Assessor: Thapelo Tsotetsi				
Date:				
Feedback to student				