Project specification

Qualification	Faculty of Information Technology Bachelor of Science in Information Technology		
Module code	ITDA211	Module name	Database Design Concepts
Semester	1/2017	Year	2
Module lead	Patricia Lubisi	Internal moderator	Dale Sibanda
Total mark allocation	100		
Issue date	13 - 17 February	Submission date	08 May

Instructions to the student
- Remember to keep a copy of all submitted projects.
- All work must be typed.
- Please note that you will be evaluated on your writing skills in all your projects.
- All work must be submitted through Turnitin[1] and the full Originality Report must be submitted with the final project.
- Negative marking will be applied if you are found guilty of plagiarism, poor writing skills or if you have applied incorrect or insufficient referencing. (See the table at the end of this document where the application of negative marking is explained.)
- Each project must include a cover page, table of contents and full bibliography, based on the Harvard Referencing Style as applied at CTI Education Group.
- Use the cover sheet template[2] for the project. This is available from your lecturer.
- Students are **not** allowed to offer their work for sale or to purchase the work of other students. This includes the use of professional project writers and websites, such as Essay Box. If this should happen, CTI Education Group reserves the right **not** to accept future submissions from a student.

Project format
Students must follow the generic **requirements** when writing and submitting projects as follows:

- Use standard Arial, font size 10.
- Include page numbers.
- Include a title page.
- Print submissions on both sides of the page.
- Write no more than the maximum word limit.
- Ensure any diagrams, screen shots and PowerPoint presentations fit correctly on the page and are referenced.
- Include a table of contents.
- Use accurate Harvard referencing throughout the project.
- Include a bibliography based on Harvard Referencing System at the end of the project.
- Include completed Project Front Cover Sheet and Statement and Confirmation of Own Work (available on MyLMS).
- Check spelling, grammar and punctuation.
- Run the project through Turnitin software.
- Students must keep copies of all submitted work.

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[1] Refer to the **CTI Plagiarism Policy**, which is available from your lecturer.

[2] Available on myLMS.

Essential embedded knowledge and skills required of students
- Report-writing skills
- Ability to analyse scenarios/case studies
- Understanding of subject field concepts and definitions
- Ability to apply theoretical knowledge to propose solutions to real-world problems
- Referencing skills (Harvard Referencing Method)

Resource requirements
- A device with Internet access for research
- A desktop or PC for typing projects
- Access to a library or resource centre
- Prescribed reading resources

Delivery requirements (evidence to be presented by students)

- A typed project[3]
- A Turnitin Originality Report
- Students are to develop a database based on the scenario below.
- PC running MySQL Command Line client 5.6 **and** Workbench.
- Students have to take screenshots of all their work.
- Students have to save an electronic copy of their work.
- Student have to use their student number as part of the naming convention e.g. car_rental_BE2017XXXX_db.

Minimum reference requirements
(At least five references for first year, ten references for second year and fifteen references for third year)

Additional reading is required to complete this project successfully. You need to include the following additional information sources:

- Printed textbooks/e-books
- Printed/online journal articles
- Periodical articles (e.g. business magazine articles)
- Information or articles from relevant websites
- Other information sources, e.g. geographic information (maps), census reports, interviews, etc.

Note
• It is crucial that students reference **all** consulted information sources, by means of in-text referencing and a bibliography, according to the Harvard referencing style.
• Negative marking will be applied if a student commits plagiarism (i.e. using information from information sources without acknowledgement and reference to the original source).
• In such cases, **negative marking**, also known as '**penalty scoring**', refers to the practice of subtracting marks for insufficient/incorrect referencing.
• Consult the table at the end of this document, which outlines how negative marking will be applied as well as the way in which it will affect your project mark.

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[3] Refer to the **CTI Conditions of Enrolment** for more guidance (available on myLMS).

	Useful websites
	12manage: a knowledge network about management [Online] Available at: http://www.12manage.com/ A database that includes articles as well as dictionary and encyclopaedia entries relevant to the management sciences. **Academic Journals** [Online] Available at: http://www.academicjournals.org/all_articles Academic Journals is a broad-based publisher of peer-reviewed open-access journals. **Bookboon** [Online] Available at: http://bookboon.com/ An online book publishing company that provides students with free access to e-books in a wide variety of subject fields, including Marketing and Human Resources Management. **Business Open Learning Archive (BOLA)** [Online] Available at: http://business.highbeam.com/137662/article-1G1-54905587/bola-business-open-learning-archive A database, created by Brunel University (Business Division), containing newspaper, magazine and journal articles related to business studies. **Emerald Journals** [Online] Available at: http://www.emeraldgrouppublishing.com/products/journals/index.htm An online database of journal and e-journal articles, published by Emerald Group Publishing, on a wide variety of subjects as related to the management sciences, including Marketing, Human Resources Management, Accounting, Finance, Economics, Business Management and Business Strategy. **EBSCO*host*** [Online] Available at: https://www.ebscohost.com/ A research database containing online information resources, including 375 full-text and secondary databases. **The Free Management Library: Online Integrated Library for Personal, Professional and Organizational Development** [Online] Available at: http://managementhelp.org/ An online library containing information on topics related to business, management and organisational development; each topic has additional recommended books in the library. **Google Books** [Online] Available at: https://books.google.co.za/ A Google service that searches the full text of books and magazines that Google has converted into digital format, stored on its (digital) database.

	Useful websites
	Google Scholar [Online] Available at: http://scholar.google.co.za/ A search engine that indexes the full text of scholarly (scientific) literature pertaining to a variety of disciplines and in different formats, including online journals and scholarly textbooks. **JURN** [Online] Available at: http://www.jurn.org/#gsc.tab=0&gsc.q=commerce&gsc.sort= JURN is a unique search-engine primarily dedicated to indexing free and 'open-access' e-journals in the arts and humanities. It is a 'full text finder' that harnesses all the power of Google to search across quality open access content. **NetMBA: a business knowledge centre** [Online] Available at: http://www.netmba.com/ Articles in the subject fields related to Business Administration, including both elementary and advanced topics as well as frameworks and theories involved in solving challenging problems. **Oxford University Press Journals** [Online] Available at: http://www.oxfordjournals.org/en/ Oxford University Press (OUP) publishes the journals and delivers this research to the widest possible audience. **ProvenModels** [Online] Available at: http://www.provenmodels.com/page/about A web-based library of management models aimed at graduates, executives and management consultants.

	A word of caution
	Information available on the World Wide Web (WWW) is not necessarily reliable or of a high academic standard. Therefore, it is essential that you verify online information by comparing such to information in reliable information sources, such as accredited (academic) journals and relevant textbooks written by subject experts.

Assessment criteria assessed

The following criteria are assessed in this project:

LO3	Design, create and document databases	Task no.
AC3.1	Apply the database developmental cycle to a given data set	
AC3.2	Design a fully functional database (containing at least four inter-relational tables) including user interface	1,2,3,4,5
AC3.3	Provide supporting user and technical documentation	

Task description

The QAC Shop is an upscale home furnishings store in a well-to-do urban neighbourhood. It sells both ==antiques== and ==current-production== household items that complement or are useful with the antiques. For example, the store sells antique dining room tables and new tablecloths. The antiques are purchased from both ==individuals== and ==wholesalers,== and the new items are purchased from ==distributors.== The store's customers include ==individuals,== owners of ==bed and-breakfast== operations, and local ==interior designers== who work with both individuals and small businesses. The antiques are unique, though some multiple items, such as dining room chairs, may be available as a set (sets are never broken). The new items are not unique, and an item may be reordered if it is out of stock. ==New items== are also available in various ==sizes== and ==colours== (for example, a particular style of tablecloth may be available in several sizes and in a variety of colours).

The QAC system should be able to satisfy the following requirements:

Task 1:   The system should be able to keep the records of the sales that have been made.

Task 2:   Customers should be able to see the availability of the products on the database.

Task 3:   QAC should be able to purchase antiques from both individuals, wholesalers and new items from distributors.

Task 4:   The system should be able to reorder items that are out of stock.

Task 5:   The system should be able to generate the bill for a customer.

You have now reached the end of this project. Please ensure that you have answered all the required questions before submitting your project to your lecturer and ensure that you have adhered to all the instructions within this project.

Negative marking

Second-year students

- A minimum of ten additional information sources must be consulted and correctly cited.
- If no additional information sources have been used, a full 10% must be deducted.
- Deduct 1% per missing resource of the required ten. For example:
  - If only five resources cited, deduct 5%
  - If only three resources cited, deduct 7%
- Markers must interpret the Turnitin Originality Report to determine actual Overall Similarity Index percentage.
- Markers to apply the penalties for Category A for insufficient sources and incorrect referencing style.
- Markers to apply the penalties/actions for Category B for plagiarism.

Category A

Minimum reference requirements	Deduction of final mark
No additional information sources have been used or referenced.	10%

Category B

Students may not have more than a 20% Overall Similarity Index on Turnitin after analysis of the report.

Interpretation of Turnitin Originality Report
Lecturer to capture the following
1. Original Overall Similarity Index (percentage) of Turnitin report
2. Overall Similarity Index (percentage) after lecturer analysis of Turnitin report (to determine legitimate plagiarism)

Penalties		Action
a.	Less than 20% of the body of assessment (based on Point 2 above)	No action. Mark according to memorandum
b.	More than 20% of the body of assessment and first offence (based on Point 2 above)	Award 0% for the project
c.	If more than 70% of the body of assessment	Award 0% and conduct disciplinary hearing