

Appendix 1

GROUP PROJECT TOPICS AND RUBRICS

Organise yourselves in groups of between six and nine students, then choose a topic you want to pursue for your project topics below and start working on it.

- Design a website to educate the community on electronic waste, how it must be disposed and the implications of improper disposal.
- Design a website to educate a certain cohort of patients on the importance of medication adherence and strategies to help them adhere to medication for any medical condition of your choice.

You can find the tutorials on the following sites.

- Weebly, Wix, SITE123, Jimdo, Webnode, etc.

Marking rubric for the Website

Category	Description	Marks
Content	The site has a well-stated, clear purpose and theme that is carried out throughout the site.	3
Content Accuracy	All information provided by the student on the Website is accurate, and all the assignment requirements have been met.	4
Layout	The Web site has an exceptionally attractive and usable layout. It is easy to locate all important elements. White space, graphic elements and/or alignment are used effectively to organize material.	5
Navigation	Links for navigation are clearly labelled and consistently placed, allowing the reader to easily move from a page to related pages (forward and back) and take the reader where s/he expects to go. A user does not become lost.	5
Links (content)	All links point to high-quality, up-to-date, credible sites.	3
Background	The background is exceptionally attractive, consistent across pages, adds to the theme or purpose of the site, and does not detract from readability.	4
Color Choices	Colours of background, fonts, and unvisited and visited links form a pleasing palette, do not detract from the content, and are consistent across pages.	3
Fonts	The fonts are consistent and easy to read and point size varies appropriately for headings and text. Font styles (italic, bold, underline) are used consistently and improve readability.	3
Graphics	Graphics are related to the theme/purpose of the site, thoughtfully cropped, of high quality, and enhance reader interest or understanding.	4
Images (accessibility)	All images, especially those that are used for navigation, have an ALT tag that describes the image and its link so visually impaired people can use the Web site well.	4

Sounds	Music, audio clips and/or sounds are thoughtfully edited and used only where they add to the reader's understanding of the content or to make the site more accessible to persons with visual handicaps.	4
Spelling and Grammar	There are no spelling, punctuation or grammar errors in the final draft of the Web site.	4
Copyright	Fair use guidelines are followed with clear, easy-to-locate and accurate citations for all borrowed material. No material is included from Web sites that state that permission is required unless permission has been obtained.	4
Total		50 marks

- c. Choose one health informatics area of your choice (e.g., telemedicine, mobile health, electronic health records, etc., then compare the health informatics activities between two developed countries and any two developing countries of your choice (One of the choices for developing countries must be Botswana).
- **The project written report should have about 4500 words or 12 pages, including the title page, references and any diagrams.**
 - A cover page with a short, clear, accurate title and group members' names with student IDs. **(2 marks)**
 - Table of contents (automatic, not manual) **(2 marks)**
 - **Write the Introduction** section (Describe the health informatics area you have chosen and contemporary issues regarding the area, i.e., the benefits to healthcare systems or public health around the world.) **(6 marks)**
 - Write at most 4 SMART objectives for your study. The objectives must be specific, simple & clear, measurable, attainable/ achievable & appropriate, relevant & realistic and time-bound what you seek to establish. **(4 marks)**
 - Write the justification of your study (Why is it important for you to conduct that particular study on the chosen health informatics area). (Section (b) must be 2-3 pages). **(4 marks)**
 - Write the **METHODOLOGY** section, i.e., How will you retrieve information sources, from which databases, and how will you screen various literature? You can write about inclusion and exclusion criteria. Write how you are going to make comparisons or how you will analyse your data (Graphs, Tables, etc.). (Section (c) must be two pages) **(10 marks)**
 - Write the **RESULTS** section (Describe your findings according to your objectives (Do not just copy and paste a graph without any description. The description starts before a table or graph). (Section (d) must be 3-5 pages) **(10 marks)**
 - Write the **DISCUSSION, RECOMMENDATIONS AND CONCLUSIONS** section. The discussion should focus on explaining and evaluating what you found, showing how it relates to your literature review, and writing the implications of why your results matter. The recommendations must guide what action or steps must be taken based on research

findings. The conclusion must be one paragraph long and provide a brief overview of your project and whether or not the research questions have been answered. (8 marks)

- **REFERENCE** list (Use APA reference style)/ Use Mendeley or Endnote referencing software. All cited work must be in the reference list and recorded accurately according to APA reference style. (5 marks)

Total (50 marks)

d. **The use of smartphone X (health) application by X students at the University of Botswana.** (Choose an application of your own choice) on smartphones by UB students.

Create the questionnaire on Google Forms and collect the data using your smartphone. Your sample size must not be less than 120 students. The format of the project shall be categorised into four sections, and marks will be awarded as follows:

- The project written report should have about 4500 words or 12 pages, including the title page, references and any diagrams.
 - A cover page with a short, clear, accurate title and group members' names with student IDs. (2 marks)
 - Table of contents (automatic, not manual) (2 marks)
 - **Write the Introduction** section (Write a brief description of the application you have chosen to ask your research participants about how it is being used worldwide and what the benefits are) 6 marks
 - Write at most 4 SMART objectives for your study. The objectives must be specific, simple & clear, measurable, attainable/ achievable & appropriate, relevant & realistic and time-bound (4 marks)
 - Write the justification of your study (Why is it important for you to conduct that particular study on the chosen health application). (Section (b) must be 2-3 pages). (4 marks)
 - Write the **METHODOLOGY** section, i.e., Study design: is it a survey? Who is your target group, and how many are they? How will you identify them (Is it by random or non-random sampling)? How will you analyse your data (Graphs, Tables, etc.)? Ethics? Are you going to seek their consent from your study participants? Etc? (Section (c) must be two pages) (10 marks)
 - Write the **RESULTS** section (Describe your findings according to your objectives (Do not just copy and paste a graph without any description. The description starts before a table or graph). (Section (d) must be 3-5 pages) (10 marks)
 - Write the **DISCUSSION, RECOMMENDATIONS AND CONCLUSIONS** section. The discussion should focus on explaining and evaluating what you found, showing how it relates to your literature review, and writing the implications of why your results matter. The recommendations must guide what action or steps must be taken based on research findings. The conclusion must be one paragraph long and provide a brief overview of your project and whether or not the research questions have been answered. (8 marks)
 - **REFERENCE** list (Use APA reference style)/ Use Mendeley or Endnote referencing software. All cited work must be in the reference list and recorded accurately according to APA reference style. (5 marks)