Chapter 2: Project “Planning and analysis”

* 2.1 Project planning
  + 2.1.1 Feasibility Study
    - Technology Considerations: Using the software and hardware available to us will enable us to develop a good, reliable project, launch it on multiple platforms, and make it easy to use by designing a good-looking, simple UI/UX.
    - Product or Service Marketplace: This is a novel concept with no competitors in the market, and as soon as it is implemented, it will spread to all dentists and students.
    - Financial Projections: For the users, it is totally free to use, while we will only spend a small amount of money to help us make the website online and available to all users.
    - Schedule: Our project is well scheduled, divided into a few chapters, and each chapter has its own tasks and deadlines.
  + 2.1.2 Estimated Cost
    - It's a low-budget project where we will only need money to buy or rent a server to upload the website and its database.
  + 2.1.3 Gantt Chart
* 2.2 Analysis and Limitation of existing system Mention what are the main limitations of the current system. What are the things that making the current system operate slowly?
  + In the current system, students search for volunteers (patients) among their relatives, friends, or even strangers walking in the street, and if a student finds a patient with a case he doesn’t need, he will just leave him and look for another one.

This process wastes time, power, and valuable information from patients.

* + When students get exams, they sometimes need tools that are just too expansive for them to buy, and they just don’t use them anymore after they finish the exams.
  + it's hard for clinics to find doctors to work for them or for a student to get training because there is no network or communication between them.
  + For patients, it's hard to find a good doctor near them to go to.
* 2.3 Need for the new system with evidence fully support why you have to migrate from the old system. What are the weaknesses of the old system that let you think it is a good idea to develop a new system?
  + The old system's weakness is that it is slow and unreliable, and there is no network or good communication between dentists or between dentists and patients; additionally, there is a lack of dentist ratings for patients to build trust between the doctor and the patient.
* 2.4 Analysis of the new system
* 2.5 Advantages of the new system Here simply mention the advantages of the new system
  + The website will build a reliable network for dentists and patients to communicate on, and each user will find what he needs.
  + The students will be able to buy and rent tools from each other, so no one can waste a lot of money on a tool that he only needs for a short period of time.
  + The clinics will be able to let the students know if there are work-training opportunities available.
  + Students can create a portfolio for themselves to showcase their work and strengths.
  + The students can share patient cases (volunteers) that they found and will not work on for others to see.
* 2.6 Risk and Risk Managements