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| **Project Title** | Book reader in Python | | |
| **Course Code** | **CSCI 201** | **Course Name** | **Introduction to programming** |
| **Professor** | **Mohamed El Hadidi** | | |
| **TA** | **Esraa Saeed Bayoumi** | **Mentor Name** | **---** |
| **Team Name** | **N&M** | | |
| **Team Members** | **Nouran Hady Shaaban** | **Marwa Mohamed Al Sayed** | Text. |
| Text. | Text. | Text. |
| **Problem Summary** | The idea is created to solve some problems that affect reading books which are:   1. Some people do not have enough time to read books since they have many commitments as if they have more than one job or if they have babies to take care of. 2. Some people do not have enough money to regularly buy books to read, or maybe they do not have enough space to put each book they buy in. 3. Some people need to improve their listening and speaking skills, so they need to listen to many words and how are they pronounced 4. People with disabilities and health problems cannot read a book 5. If someone is preparing a meal, he/she may forget an ingredient | | |
| **Methodology** | 1-Preparing libraries that deal with pdf files as pypdf4 and pypdf2 and GUI library Tkinter to design the program and library that deal with the output sound using Python language through PyCharm IDE.  2- Creating an entry box which can be used to make the user input the book pdf or text file name to read it aloud.  3- creating a new window with buttons to play/pause the sound of the book forward/backward and a song slider and start playing the book.  4- Creating a page for the suggested books to play | | |
| **Achievements and Skills Gained** | * 1- Improve skill of working in teams * 2- Improve the skill of using programming language and the GUI * 3- Improve time management and working under stress * 4- Help people who has no time to read to enrich their knowledge, reduce buying paper books | | |
| **Project Title** | Book reader in Python | | |
| **Main Results** | * Book reader can hold thousands of books while weighing less than one book, and the convenience provided due to add-on features. * the ability to change and increase font size or have your book read to you can make reading a pleasure again. Some book reader apps making them invaluable to those with other health problems that make reading hardcover books painful to impossible. * a reading app that can encourage more reading from your child or teenager. * Learning new languages as you can listen to books in different languages and learn new words. | | |
| **Discussion and Conclusion** | * They can carry their entire library on one lightweight smartphone or tablet, A reading app saves space and is lightweight and easy to tote around. * Book readings apps are inexpensive if not already free for your device with access to many e-books that are cheaper than their paper equivalents. Using book reading apps is also a green practice, saving paper and as a result, trees | | |
| **References** | 1. For pdf books we used: <https://www.pdfdrive.com/books-books.html> 2. For learning more about GUI (Tkinter) we used reference book: python and Tkinter programming (by John E. Grayson) | | |
| **Future Work and Suggestions** | We have a lot of intentions to do like:   1. Book reader in Python becomes the e-book that all people depend on to learn, entertain and improving some skills. 2. To improve our book reader to teach pronunciation of all languages by playing audio and listen how the user pronounce it and correct his mistakes. 3. Book reader listen to what the user wants to search on like categories, book titles or even a popular sentence of the book. 4. Control the book reader by speaking to recheck the ingredients, mark a sentence or go to page (x) by speaking. | | |
| **Group Photo** |  | | |