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***2023 - 737***

***Harry Potter Essay***

This is my insight on creating this Tkinter assessment “Harry Potter” search app, this is such a great experience for me because after this work, I already know how to use the Tkinter and it might help me in my future projects.

So, what does the user can see if they run my Tkinter work?

It will allow the user to search the names or characters in the Harry Potter, inside my code, I displayed the character’s name, their houses and their role in Harry Potter. I also applied some photos of each characters for the user to easily identify who they are, now lets move on to the problems and difficulties I encountered in this assessment and how I resolved them, resolving problems in this kind of activity is nearly impossible, but we need to fix and figure it out for us to be a better programming students.

My first idea was to create a simple search bar or search application website that would display a list of whatever I will list inside the code, after that, of course I created a list that will display the character’s name, houses, and their role in Harry Potter, the user can see an image of the character whoever they are searching for. I thought this assessment is easy, but it’s not.

The next step is setting up the graphical user interface with Tkinter is one of the problem I faced, but with the help of short research and Tkinter library, I can now create a graphical elements like buttons, text boxes and windows.

This is my first time using this Tkinter for small projects like this assessment that has dynamic contents and images, and looking for a proper way to present and image and displaying the character’s details inside the Harry Potter was part of my first struggle.

Working with the images was part of the biggest problems I encountered in this assessment, at first, I don’t know how to fit my character’s picture properly, sometimes they will appear if I try to run it but that’s not how I want it to be, so I need to adjust it manually to achieve my images placement, I think I adjusted those images for 4 to 5 times before I resolved it the way I want it, my image placement is very simple, I just want it to be placed beside their identity and to fit the square layout to achieve the minimal type of layout, it is very simple and it looks easy to do but in just simple or small error, the whole work would be a huge mess. Finally, after doing some research and exploring the Python Tkinter, I already solved this kind of problem.

The next important part of this assessment was the search tool. I wanted the app to be able to show my character’s details and search for their names at the search bar section. I started by gathering the character’s information into a simple list or dictionary, and suddenly, I found out that this was harder than I expected to compare the character names in the list with the search area. I had to make my search command section to be simple for the user to take the spelling and capitalization to be considered. So my app’s main feature is already taking affects but there are still remaining problems to be resolved like the design and layouts, because it is difficult to make your project look nice and attractive at the same time, before I applied some images beside the character’s info, I already thought it would look nice and attractive, but after I resolved the problem earlier and it already worked, it kinda looks nice but it is very plain, I tried to move the image placement to try if they will look good after I move the image but it did not work. It was very hard to understand every single thing in this project, I did some research and the next thing I did is used some grid layout and testing out multiple Tkinter layout managers, and now, it is easier to work and fix the alignment of each texts and images correctly.

This assessment helped and taught me a lot, like knowledge about patience, the importance of testing and problem solving, this project really proved that everything is easy when you try to study and understand it, in every challenges and problems I encountered, it helped me to boost my knowledge of the technical ideas helping graphical user interface creation. One of the lesson I learned in this assessment is how to handle images, carefully adjust or resize them to make sure that there is no simple error at least one, I also learned how to handle errors in python and how to make it easy to use.

I was able to apply every single thing that I learned in this project to my future or upcoming projects that will relate to this, writing code is just the same as writing on actual paper, and for me, testing was the very important part of this assessment and do not be relaxed just because your project looked easy to do, you will regret it by the time you start to do it, so for all of the students like me should do a research and apply everything the professor’s lesson inside our class.

Doing this kind of assessments really helps us students especially for our future jobs, it shows us the importance of studying the projects into smaller, manageable task and workinh on it step by step. Everytime i encounter a problem i have to think wisely how to solve it and this kind of thinking will really help me in the future when the time came that I am already working in this kind of field.

Buildinh this Harry Potter app was challenging but what a great experience for me, I faced different kind of struggles including working with the images, fixing the missing files and designing the layout, but each and every problem taught me a great skills that will possibly help me in my future programming projects.