Date of form completion:

Student name: Christopher Terry

Student’s possible graduation date: Spring 2023

Students required courses remaining for graduation:

Research category: Project or Thesis (select one). (Project)

Main adviser's name: Dr. Ramaier Sriram

Committee faculty name 1: Dr. Karina Liles

Committee faculty name 2: Dr. John R. Liston

Committee faculty name 3: Dr. Abdelrahman Desoky

Note: Answer all the questions in as much detail as possible. If you need help, please contact your adviser or the committee faculty member for help.

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Section 1: Introduction and literature review.

1. What is your established area to research?
   1. Operating Systems / I don’t know
2. What is the research question you want to address?
   1. Can an operating system based in linux be simple and easy for everyone’s daily driver that could replace windows and mac to cut royalties cost of computers? Is there a way to have a verison of linux os package manager that can be compatiable with other package managers working like mircosoft installer.
3. Is research within the achievable research goals? Please explain how?
   1. Yes, however it may take time with trial and error.
4. Have you considered argumentative, integrative, historical, methodological, systematic, and theoretical sections? No
5. What is your problem statement?
   1. There need to be a distribution of linux that could compete with operating systems like windows, mac, and chrome OS. Easy installations of the os and other programs without the use of terminal commands so less experienced computer users can be productive without breaking their software because of small mistakes.
6. State existing literature on selected topic?
   1. Linux Documentation – Source: Linux.org
7. What is existing data evaluation, analysis and interpretations available?
   1. Projects like valve’s proton, CodeWeavers’ Wine have already added compatablity for windows programs to run on linux distrobutions
8. Are the articles credible, and address objectivity, persuasiveness and values of conducted study?

Sections 2-5 have not started research and project.

Section 2: Methods.

1. Introduce the overall methodological approach for investigating research problems?
   1. I want to experiment with linux to create an operating system that works cheaply and easy to troubleshoot without having a complete experience in troubleshooting computers.
2. Indicate how the approach fits the overall research design?
3. Describe the specific methods of data collection you are going to use?
   1. Survey, current usage data of daily applications
4. Explain how you intend to analyze results?
   1. Testing if certain applications can work and be easily troubleshooted with useablity and accessiblity
5. Provide background and rationale for methodologies that are unfamiliar for the readers?
   1. I want readers to understand that with an accessible linux operating system computers could be much cheaper because of royalities to big companies such as Mircosoft, Google, and Apple must be payed for by manufatures when linux can run varied verisons of
6. Provide a rationale for subject selection and sampling procedure?
7. Address potential limitations?
   1. Knowledge

Section 3: Results.

1. State an introductory context for understanding the results by restating the research problem that underpins the purpose of study?
2. Summarize the key findings arranged in a logical sequence?
3. Include non-textual elements, such as figures, charts, photos, maps, tables, etc. to further illustrate the findings?
4. Summarize the results, highlighting for the reader observations that are most relevant to the topic under investigation?

Section 4: Discussion.

1. State the major findings of your study?
2. Explain the meaning of the findings and why are they Important?
3. Relate the findings to similar studies?
4. What are alternative explanations of your findings?
5. What are your study limitations?
6. What are suggestions for further research?

Section 5: Conclusions.

1. Present the last word on the issues raised by you?
2. Summarize thoughts and convey the larger implications of your study?