Deployment Plan - Image Translator linux Program

We want to deploy an image translator application to linux users. First, we have to plan the project. We have already detailed our requirements in the documentation for project 3. Additionally we had to design the project. With this project specifically, we used a top-down design paradigm to break the project up into its core components. Finally, we coded the project using github as our main collaboration tool.

Our next step forward in the development life-cycle is to build a test-suite and test the code. The project will be open source, so we would be able to get extra help on this when released. However, during development, we would benefit from using white box and black box testing to make sure our product is ready for release. After successful testing, we would be ready to deploy our product.

Our goal with deployment is to release the software as a simple linux application that runs in the terminal. Since we are using multiple open-source libraries within our project, our open-source version should be legal and credible. The potential market is going to be users with a need or interest in image-to-text translation. For example, this could be non-English speakers with the means to screenshot a picture of text and translate the whole thing into a separate image. There is no limit to who wants to use our application. Another potential market is users who are interested in a beginner level application of language translation software. Our implementation is relatively simple, so an entry level programmer with interest in this field could use this as a starting off point for a more complex project.

For deployment, we will need a domain, a functional website, and a server to host on. The domain can cost as little as seven dollars a year, and there are simple server hosting services like google cloud that can store our network data, which we should have very little of. An example payment plan similar to what we would need costs as little as $1.19. Lastly, to develop the website, we would need time and/or money. Many of the group members might not have the time to flesh out a decent looking website, so we could hire a part-time website contractor to do this for us. I would estimate this website taking a maximum of 5 hours for an experienced professional as it will only need to host a download link for our small program. 5 hours * $20/hour = $100. In the future, we may pay a worker to maintain the website, but the code is open-source, so maintenance can largely be taken care of by the user. We could also save a lot of money if we spend time developing a simple website to start. In total, the cost of deployment would be $7/yr + $1.19 + $100 * (need for web-dev). Since our project is so simple to start and invites collaboration from users, we could even host it completely through github, in which case we don't need any hosting services to start.

References:

https://cloud.google.com/storage/pricing-examples