**Testing your Bachelor Thesis’s Application**

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1. **Testing**

Testing is a way of verifying the integrity, quality, consistency and respect of the rules for different programs. It is useful for finding blind spots, deficiencies, and overall see the integrity of the code. Other ways that it’s useful, you can check the vulnerabilities that could get attacked, and other threats.

1. **Features**

My Bachelor thesis consists mostly of testing models and functionalities used for that together with an app that is made using a library meaning there is not much place for testing, and yet, the functions and classes could be tested if they are defined correctly, have the right parameters and other details.

1. **What testing techniques could be used**
2. **Unit testing:**

* Since unit testing is mainly used to test smallest units of the code, I could use that to test the correctness of computations, parameters, how they are transmitted, how they are computed and if they answer correctly to the questions that were asked before creating the functions, and it can be used on smaller pieces of code, for example XML parsing, PNG image dataset parsing and many others like this

1. **Integration testing**

* Integration testing can be used to test combined unit tests, so I could test the training of a model overall, and could test chunks of code

1. **System testing**

* The only testings in this area could be the uploading an image, selecting a model and running the AI seeing if the corrected result is shown (in this case I think I could test only if there is an image returned)