

Master Test Plan

1. Introduction

1.1 Purpose

The purpose of the Master Test Plan for the complete lifecycle of the 'Cat or not' project is to:

- ❑ Provide a central artifact to govern the planning and control of the test effort. It defines the general approach that will be employed to test the software and to evaluate the results of that testing, and is the top-level plan that will be used by managers to govern and direct the detailed testing work.
- ❑ Provide visibility to stakeholders in the testing effort that adequate consideration has been given to various aspects of governing the testing effort, and where appropriate to have those stakeholders approve the plan.

1.2 Scope

Tests are supposed to cover Functionality, Usability and Reliability.

The features to test are: taking photos / choosing a photo from the database, ability to review photos, image recognition (recognising cats), ability to see results, correct navigation, ability to change brightness.

2. Governing Evaluation Mission

2.1 Project Context and Background

The application is supposed to tell the user whether on the photo they took a cat is present. For the correct result the cat should be a central part of the image. If the application

recognises a cat, there appears a message “Cat!”. If the application does not recognise a cat, the message reads “Not!”. The application is suitable for people with sight impairment.

2.2 Evaluation Missions

- Find as many bugs as possible
- Find important problems
- Verify requirements
- Certify to a standard

2.3 Sources of Test Motivators

Key sources: technical risks, use cases, functional and non-functional requirements, suspected failures or faults.

3. Target Test Items

Item to test	Test description
Correct image recognition	Ensure that the correct response is shown when a cat is a central part of the photo.
Taking a picture / Choosing a picture from the database	Ensure that the application can access camera and take a photo OR ensure that the application has access to the database and choosing a photo is possible
Reviewing	Ensure that photos/results can be reviewed
Brightness	Adjust brightness

3.1 Test Fail/Pass

Test item has passed when the correct result occurs.

4. Test Approach

	Test Objective	Technique	Completion Criteria
Function Testing	Ensure reviewing, data entry, processing.	Execute each use case, using valid and invalid data, to verify that the expected	All planned tests have been executed. All identified defects

		results occur when valid data is used.	have been addressed.
User Interface Testing	Navigation through the application properly reflects requirements.	Create tests to verify proper navigation.	Each window successfully verified to remain consistent within acceptable standard.