



Software Test Plan

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Introduction

This document describes the planning of the requirements and the tests planned for the product: the "Yad2" application.

For the test levels: System Test and testing Exploratory Test.

This design covers functional and non-functional testing.

As a supporting tool for the tests, the PractiTest software will be used to manage the test cases,

Documenting results and reporting defects.

The tests are performed in a "black box testing" approach without access to the source code or

The database of the application.

The tests are planned through a direct examination of the application interface and its behavior.

Central areas of the application form the basis of the definition of the requirements and your scenario of the test.

The Objectives of The Document

The purpose of this document is to define a testing plan for the "Yad2" application, in the absence of formal requirements and characterization documents.

The document will serve as a basis for planning, performing and monitoring functional tests

and not system-level functionality of the application.

General Description of The Product

The "Yad2" application is a mobile application that allows users to post and search for ads of second-hand used products and services.

The app includes the following functionality:

- Uploading sales ads with the option to add photos, product details and price
- Search and filter activity ads according to different categories such as car, real estate, second hand and more

- Communication between sellers Prospects for potential buyers
- Rating and feedback on sold and selling items
- Marking and removing ads whose products have been sold or removed from the site.

The app is available for the Android and iOS operating systems.

The Testing Environment

3 different Smartphones:

- Xiaomi Poco X3 Pro - Android 12
- iPhone 14 Pro Max - iOS 17.1.2
- Galaxy S10+ - Android 10

Test Tool

We use the system **Practitest** for writing Test design and randomization the test Detailed with steps, running the tests, reporting the defects and generating summary reports.

Access and Strategy The Tests

- A methodical and reactive approach
- Functional and non-functional tests
- System tests and integration tests
- The execution of the tests will be according to the AGILE KANBAN approach
- The tests will be manual with a "black box tests" approach in techniques: equivalence group, values edge, decision table **Min-Max**
- Work approach: dividing the site according to main areas (Building a requirements document to fully cover the application)

Test Coverage

1. Functional testing
 - 1.1 Main page tests
 - 1.1.1 Checking the activation of Stories
 - 1.1.2 Checking navigation on the main screen
 - 1.2 Recent search tests
 - 1.3 Recommended test for you
 - 1.4 Area tests around you
 - 1.5 Check back to main page
 - 1.6 Testing of new projects
 - 1.7 Testing tools that must be familiar
 - 1.8 Search tests that should not be missed
 - 1.9 Search button test
 - 1.10 Category Tests
 - 1.11 User tests
2. Non-functional tests
 - 2.1 General tests at device level

The Content of The Tests

Functional Requirements

#	num	main areas	sub head	Description	test level
1	1.1	main page	Stories	Activating all the stories and checking that a suitable story opens for the title	editorial board
	1.2			Clicking on the screen right, left, middle	editorial board
	1.3			If there is a button at the bottomthe historical, check that only a relevant page opens	editorial board
	1.4			X button, top left side	editorial board

	1.5			Sharing button, checking all features at the test level that opens the relevant feature (you can check a little further, for example, if the ad was really sent on WhatsApp)	integration
2	2.1	Recent searches		After more than 3 different searches, the last three searches will be displayed on the main page	editorial board
	2.2			After over 3 different searches, clicking the "Show more" button to display all searches	editorial board
3	3.1	Recommended for you (appears only after some search)		Functional test scrolling ads left and right	editorial board
	3.2			Testing the "show more" button (in orange) without scrolling	editorial board
	3.3			Checking the "show more" button at the end of scrolling to the left (shown as a large button)	editorial board
4	4.1	Around you		Integrate device-level checking of location permissions	Player
	4.2			Functional test scrolling ads left and right	editorial board
	4.3			Testing the "show more" button (in orange) without scrolling	editorial board
	4.4			Checking the "show more" button at the end of scrolling to the left (shown as a large button)	editorial board
	4.5			After displaying more ads, there will be two subcategories: real estate and second hand (to check that the ads are relevant, scroll to the bottom of the page and a button beyond all ads)	editorial board
5	5.1	Back to main page		Button test (yad2) back to main page	editorial board
6	6.1	Projects new ones		Checking the search field (a filter with two options opens: by address, by company)	editorial board
	6.2			By address: If the area is all, at the beginning of typing a city name, a list of cities will appear in the registered letters. If the region is north, for example, and in the city you type a letter of a city in the north, a selection list will open, if and the city Noin the north You will not open a selection list and the search refers only to the area,	editorial board

				if you register in the Jerusalem area and you enter Jerusalem in the city, it will search net in Jerusalem. You cannot select a neighborhood before a city.	
	6.3			By company: checking that a menu opens, you can select a company and the name of the company will appear in the field + attempt to reset the selection	editorial board
	6.4			Back button test through the app	editorial board
	6.5			Back button test through the device (device level test)	Player
	6.6			Checking the scrolling of the page and entering two projects by districts, making sure that a relevant page is opened	editorial board
7	7.1		Must-know tools	Car price list (check that the relevant page opens)	editorial board
	7.2			2nd hand magazine (check that a relevant page opens)	editorial board
	7.3			Hand 1 (check that a relevant page opens)	editorial board
	7.4			YADATA (check that a relevant page opens)	editorial board
8	8.1		Searches not to be missed	Scrolling through the three ads	editorial board
	8.2			Each ad is related to a large category (car, real estate, second hand)	editorial board
	8.3			Checking that a relevant page opens (two buttons for displaying results, a list or squares (image changes accordingly, etc.))	editorial board
9	9.1		Search button	Search button test	editorial board
10	10.1	Categories	Checking results filtering and sorting results	Testing the results filtering button and changing the results filtering	editorial board
	10.2		real estate	Checking search results	editorial board
	10.3		vehicle	Checking search results	editorial

					board
	10.4		Second hand	Checking search results	editorial board
	10.5		IL needed	Check that you go to a relevant page	editorial board
	10.6		Businesses for sale	Checking search results	editorial board
	10.7		Pets	Checking search results	editorial board
	10.8		Professionals	Checking search results	editorial board
11	11.1	Guest/active user	enrollment	Registration with correct details Registration with incorrect details	editorial board
	11.2		connection	Log in with a valid username and password Logging in with an incorrect username and password Login through Google integration Login through Facebook integration	editorial board
	11.3		Marking a heart in the ad	Save ads to favorites	editorial board
	11.4		Upload an ad	Ad posting test Checking contact with the seller	editorial board
	11.5		Profile area	Checking all the features under "personal area" and "support" + switching to Facebook/Youtube	editorial board
	11.6		chat		editorial board
	11.7		my notifications		editorial board
	11.8		Checking an existing ad	Removing an ad, popping up an ad, sharing, displaying a phone number, sending a message, updating an ad	editorial board

Non-Functional Requirements

General - device level testing General - device level testing	Receiving calls while in use	Checking that when there is a call, you switch to the call and return to the application, nothing is destroyed	Player
	Network	Cellular network, WIFI	Player
	screen rotation	to the width and length	Player
	Change the time of the cell phone	Constraint time change "morning/noon/good evening" test	Player
	Location and camera permissions	Location permissions in the "around you" area Camera uploading an ad	Player

Entry And Exit Criteria

Testing levels	Entry criteria	Exit criterion	Remarks
System Test GUI Testing	<ul style="list-style-type: none"> ◀ All requirements are covered by TC 	<ul style="list-style-type: none"> ◀ 100% tests passed ◀ 80% tests passed ◀ 0 critical bugs ◀ 0 high bugs ◀ 2 medium bugs ◀ 4 minor bugs 	

The Schedule of The Testing Process

NUM	Schedule	Start Date	End Date
1	STP test planning document	01.12.2023	04.12.2023
2	Document of Requirements and dissolution functional	04.12.2023	10.12.2023
3	Writing requirements and tests in the software Practitest	10.12.2023	21.12.2023
4	Running tests and reporting faults	21.12.2023	24.12.2023
5	STR summary report document	24.12.2023	28.12.2023

Terms And Concepts

STP - test plan planning document - primary and main document, on which the testing process is based.

STD - document describing the tests - a document describing the stages of the tests. The document is all the steps in the tests, how the system performs the actions in detail of the steps to perform each action or function.

STR – a summary document describing the results of the tests and the document is derived from the previous 2 documents. The STR will show us the results of the tests performed. This is the final report which is served to the customer. This Report which describes planning versus execution, how many scripts were executed and what was actually executed, statistics of the tests in different sections.

Functional tests (Functional) - to verify system activity. These tests are based on the requirements document and the characterization screen and their purpose is to

check that the system does what it should and does not do what it should not do (valid and invalid testing) tests against the database before and after each test (query tests).

Process/integration tests (PROCESS) - tests that relate to sequence functional activities that their role check operations which begins Starting from the first screen to the last END TO END from end to end. ZA to check the operation is set to check its correctness across all system screens and databases that are affected from the process.

Client interface tests (GUI) - tests of the controls and fields on the screen. Normal behavior, format of fields, according to the legality defined at the screen level and not the business logic. For example: checking for spelling errors in the fields and controls.

Manpower And Training

Below is the list of activities and the manpower required for each activity in the testing process for this version:

activity	Manpower required	Remarks
Writing a requirements document	1	
Preparation of test cases	3	
Preparation of test steps	3	
Running the tests	3	
Management of the testing team	1	
Management of the testing project	1	

Fault Reporting And Management

Reporting and management processes the faults:

1. Classification of faults:

- ◀ Functionality - system performance.
- ◀ Recommendation for change/improvement - system characterization or behavior does not match the tester's logic
- ◀ Characterization - lack or insufficiently detailed characterization

2. Faults discovered during the tests are documented and marked with a "severity level".

The possible severity levels will be:

- ◀ Critical - disabling the system
- ◀ High - process shutdown business No Work Around
- ◀ Medium - Process shutdown business When there is a Work Around or a malfunction that does not disable a process business . (characterization mismatch, GUI error the disturbing one to continue the normal work process)
- ◀ Low - a malfunction that does not interfere with the functioning of the system (GUI, incorrect default)

3. The prioritization of the fault Priority

4. Determining who is responsible for the malfunction Responsible

The test results will be recorded in the document STR



Risk Management

Risk	Risk Description	Prevention Plan	Contingency Plan
War	Wartime - War of Iron Swords		Work from the MMD
Hanukkah	Forced leave period - reduced working days	Extension of schedules	Division of work among the team

