SOFTWARE TEST PLAN:
PACK4U

Approvals:

Approved By:	Signature	Date
TEAM2	TEAM2	20.12.2020
TEAM2	TEAM2	23.12.2020
TEAM2	TEAM2	28.12.2020

Document Control

Name	STP TEAM2
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Change History

Doc. Version	Author	Date	Description / Change
TEAM2 8.1	TEAM2	20.12.2020	We filled initial details
TEAM2 8.2	TEAM2	23.12.2020	Review meeting
TEAM2 8.3	TEAM2	28.12.2020	Full editing

Distribution List

Name	Role
The team supervisor	Guide the testes
The develop and QA team	Executed the actual testes
The client – travel agency	The client, overview viewer of the testes

1   Introduction

The purpose of this document is to document the overview strategy of how we going to approach the testes in the system, and to give the readers a wide understanding of our process

2   Scope

These tests are going to be comprehensive and will include function tests, process tests, unforeseen scenarios that the user may encounter, compatibility tests with customer products and more.

3   Test Plan Identifier and Document Change Control

This document is a preliminary but comprehensive document and for that so the only test approach document, the actual result of the test are document in the test cases

4   References

- Project Plan
- Requirements specifications
- Detail design documents
- Functional specifications
- Implementation specifications
- Quality system process documents

Everything is in the GitHub for authorize only
https://github.com/SCE2020Team2/yesodot

Document Reference & Version	Document Title / Description
SRS – updated version	Including: Requirements specifications, Functional specifications, Implementation specifications
PROTOTYPE – final	Including Detail design documents
Use Case – final	Including Functional specifications about processes
DFD – final	Including Functional specifications about Data flow

5   Test Items

During the test, the following things were checked: the source code of the program in terms of bugs, compliance of the software target with the customer's requirements and the integrity of the guide

Test Item Name	Test Item Version No.
Pack4u.cpp	Last Updated version

5.1   Features to be Tested

The test will be comprehensive. That is, it will include all the processes that our end users may exhaust, each process will contain several tests that will examine the process in several ways such as: ease of use, visibility, correctness, anomalies, etc.

Feature	Parent Component / System	Overview
Login and register	User management	Login, register
Make an order	Purchasing system	payment, coupon insert summary, package quantity update
Track orders	Orders management	Orders history, status updated, orders list sorting
View packages	Packages list system	Packages list sorting, details verification
Edit packages	Packages management	Details validity check, add, remove, and edit package
Messenger	Messages management	Messages details validity, correct addressee
Package review	Packages rating system	Rate valid, limited access under certain requirements
Coupon maker	Coupon maker system	Valid discount

5.2   Features not to be Tested

Feature name	Description
Payment system	Its an external system not involving us
First load of agents from file	It's an external third party written text file delivered by the travel agency

Document Reference & Version	Document Title / Description
the document as received from company	a list of each agent in the company

6 Testing Risk Register

Risk ID No.1	Remote work
Summary	We use the zoom platform for remote work, Continuity of work is subject to software availability,
Probability of Occurrence	Mid
Customer Impact	Delay with the tests
Trigger	Poor internet connection, busy servers
Mitigation Action	Advance preparation for this scenario by dividing targeted tasks
Contingency Action	Each tester continues his work according to the division

Risk ID No.2	Inexperienced testers
Summary	The QA team is not experienced enough with tests which may lead to unprofessional tests
Probability of Occurrence	High
Customer Impact	Delay in work
Trigger	The fact that we not experienced
Mitigation Action	Study, use the supervisor support
Contingency Action	We stop the process for the benefit of studying the case

Risk ID No.3	COVID-19
Summary	Ability to adapt to new changes and guidelines following the current situation
Probability of Occurrence	High
Customer Impact	Delay in the process of production
Trigger	Closures
Mitigation Action	Remote work using zoom
Contingency Action	We shift our whole testes process to remote work control

Risk ID No.4	Undetailed Initiation Document
Summary	The user didn't specify which tests need to the place
Probability of Occurrence	Mid
Customer Impact	Uncomprehensive enough tests to the test of the client
Trigger	The undetailed vision document
Mitigation Action	The testers brainstorm together to come up with detailed test plan
Contingency Action	The testers add new tests as working

Risk ID No.5	Time management
Summary	Not all testers always available for work meeting
Probability of Occurrence	Low
Customer Impact	Delayed the process of tests
Trigger	Corona, remote work, other tasks
Mitigation Action	Online Schedule "google sheets" shared among the testers with details tasks
Contingency Action	The testers work independently on their tasks

Risk ID No.6	Undetailed Initiation Document
Summary	The user didn't specify which tests need to the place
Probability of Occurrence	Mid
Customer Impact	Uncomprehensive enough tests to the test of the client
Trigger	The undetailed vision document
Mitigation Action	The testers brainstorm together to come up with detailed test plan
Contingency Action	The testers add new tests as working

7　Test Approach (Strategy)

The tests will be performed comprehensively and in an organized manner each risk will be thoroughly tested and will begin at large risks in the system such as features to rare and more negligible risks.
For the sake of testing, we will have to use data base of fake details so that we can perform the test in the most realistic way.
New functions may be added during the tests when top priority will be given to tests related to information security and system resistance in extreme situations.
after any add of new function or fix in the software a full regression test will take place.
We will attempt to create a simulation of using the software in the company when we perform a test of all the possible functionality for the user.
Regression tests will be documented in the test cases
The work is done remotely, i.e., without physical encounters using GitHub, zoom google sheet, google doc etc.
The tests that will be performed are the only ones and are performed throughout the "test procedure"- which is a designated period for tests

7.1　Test Data

The information with which the tests are performed may or may not be deleted depending on the nature of the current test,
There is no problem of information leaks as the data is not real

7.2　Test Environment

The test environment includes the work environment of Visual Studio and its debugger tool, will use test documents that we fill out to document the test procedures, and schedule and tasks will be document in our google sheet doc .

8　Personnel

Name	Role	Responsibility
Adane Adgo	tester	Make an order, track orders
Alice aidlin	tester	Coupon
Tomer handali	tester	Edit packages, view package
Slava Jirov	tester	Messenger
Vlad Kelar	tester	Login and register
Coral avital	tester	Package review

8.1　Training-NONE

9 Management and Metrics

Through meetings and according to personnel who have worked on different parts of the program, the agreement was to distribute the workload of the test cases to each individual who has programmed a specific part. For example, if someone programmed package management they will also test it.
We will be meeting daily to evaluate each other's work and to continue working and testing more parts of the software.

9.1 Test Estimation and Schedule

We will be using google drive to keep track on each tester's progress building and executing test cases. This list will be updated every completed test case. We will be working on the testing from 18/12/2020 up to 29/12/2020.

9.2 Test Phase Entry and Exit Criteria

9.2.1 Test Phase Entry Criteria

- The software has been completed and is ready to begin testing.
- Seeing as this is our first project as a team we expect to find different corelation problems.
- We expect to find issues regarding output of information

9.2.2 Test Phase Exit Criteria
- 100% of tests are executed
- *90*% of tests pass
- Failed tests are reviewed and evaluated for future solutions.

9.3 Suspension and Resumption Criteria

Since the testers of each section are the ones who coded it, if they find a critical bug that halts the testing process, it will be fixed and tested.
If while testing minor bugs that do not stop the tester from continuing are found, it will be reported. After all the minor bugs have been reported and the testing has finished, they will be reviewed and fixed by each tester.
Then the testers will begin regression tests on the fixed sections.

10 Test Deliverables

- Test estimates – the teams beginning of work and end will be given according to paragraph 9.1
- Test schedules – information regarding the team's work schedule will be delivered according to paragraph 9.1
- Test Plan – information regarding the test planning and execution can be viewed in this document
- Test Specification – steps and conditions regarding the tests will be provided within the test case reports
- Test Scripts – we have a fully documented regression test that will be delivered to give a good overview of out tests to the stakeholders
- Test Data – data regarding testing will be provided in the test case reports
- Test execution results – information regarding test case execution results can be viewed in the test case reports
- Test Reports – test case reports will be provided with details of results and information regarding the execution and design of the test case
- Lessons to be learned – information about different conclusions can provide a sense of progression and motivation for future work
- Test Risk Register – will be provided to give information about any difficulties the team might be dealing with

11 Communication Plan

Name	Role	Contact Details
Coral Avital	Tester	Email: coralavital24@gmail.com
Vladislav Kelar	Tester	Email:vlad@mail.com
Slava Yuroslav	Tester	Email: slava@mail.com
Adane Adgo	Tester	Email: adaneadgo1@gmail.com
Alice Aidlin	Tester	Email: alice@mail.com
Tomer Handali	Tester	Email: tomer35753@gmail.com

Communication Aspect	Purpose
Daily test meetings	Reviewing and evaluating progress
GitHub updates	Adding or updating documents with notes specifying different changes
WhatsApp updates	Quick and mobile responses to problems and announcing meetings beforehand

12 Glossary

Term	Meaning
DFD	Data flow diagram
DB	Data base
SRS	Software requirement specification document