**Test plan for**

**<< NYUnited >>**

*ChangeLog*

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| --- | --- | --- | --- |
| **Version** | **Change Date** | **By** | **Description** |
| 1.1 | 03/31/2020 | Jaideep Singh | Tentative test plan documen to be reviewed by team |

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# Introduction

The NYUnited application will utilize the waterfall test methodology. Waterfall test methodology will be used due to outside factors limiting interactions between team members. Tentative test schedule falls between time period just before submission of sprint 4

## Scope

### In-Scope

The scope of the test features to be tested includes all of the core features defined by the customer, which includes liking the posts, sharing different posts, and adding friends.

### Out-of-Scope

The features outside of the scope of testing have not been decided on yet by the team.

## Quality Objective

Objectives:

* Meet the required core requirements as deined by the cutomer
* Fix all of the intensive bugs that affect main functionailty of the application
* Ensure the prodcut meets the specifications of th client
* Finalize the devlopment on a working application.

## Roles and Responsibilities

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Net ID** | **GitHub username** | **Role** |
| Jaideep Singh | Js5311 | Jaithind | Test Manager |
| Abdulaziz Yafai | Yam19 | abdulyafai | Developer |
| Roshan Kc | Rk942 | roshankc1018 | System Architect |
| Bibek Silwal | Bs2351 | Knowbibek | Researcher |
| Deepak Pokharel | Dp1602 | schweinsei | Installation Team |

# Test Methodology

## Overview

The Waterfall Test Methodolgy was adopted for the testing due the current COVID – 19 pandemic as it will allow for systematic progression even with the reduced interaction between team members.

## Test Levels

1. Unit Testing
2. Integration Testing
3. System Testing
4. Acceptance Testing

## Bug Triage

New discovered bugs will be documented by defining them as new issues in the repsitory and the team leader will decide the priority of each bug based on their judgement.

The bugs will be solved based on their priority, going down from High to Medium and Low

## Suspension Criteria and Resumption Requirements

Testing can only be suspended if the team leader deems it necessary due to major gaps in the core requirements that need to be filled, or for any other reasonable factor. The testing will resume when the team leader decides the product is ready for it.

## Test Completeness

Testing will be decided to be complete only when the following requirements are met:

* 100% test coverage
* All manual and automated test cases executed
* All open bug issues are fixed, or have been scheduled to be fixed in the next iteration

# Test Deliverables

Here mention all the Test Artifacts that will be delivered during different phases of the testing lifecycle.

Tentaive test artifacts to be delivered include:

* Test Plan
* Test Cases
* Big Reports
* Test Stragtegy

Further test artifacts to be delivered may be established as future requirements are established by the customer. However, the team will prioritize learning experience and finishing products over producing information

# Resource & Environment Needs

## Testing Tools

The following is the main tool for testing:

* XAMPP - This is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

## Test Environment

The minimum **hardware** requirements that will be used to test the application are:

1. XAMPP version 1.7.4 or above
2. PHPUnit testing framework

# Terms/Acronyms

Make a mention of any terms or acronyms used in the project

| TERM/ACRONYM | DEFINITION |
| --- | --- |
| API | Application Program Interface |
| AUT | Application Under Test |