Test plan for Medic App

The purpose is the management process of testing
Prerequisites are metrics, which are necessary for evaluating the effectiveness of the testing process and the current state of the application
Crucial topics are describing the process of testing, results of testing, defect status, recommendations
The audience is medical employees and patients
File Test Plan.docx

1. The purpose of the application is to be useful both for patients and doctors. So, the patient can create an appointment with various specialists without a queue. And, doctors can track information about patients, their previous an appointment, and current analysis.
2. Areas that require tested
   Registration of new users - Smoking testing
   Authorisation already signed users - Smoking testing
   Search for a necessary doctor - Smoking test
   Create an appointment - Smoking testing
   Changing of time appointment - Smoking testing
   Cancel of an appointment - Smoking testing
3. Areas don't require tested
   Stress Testing
   Loud Testing
4. Testing Strategy and an approach
   4.1 General approach
   The main aims of this application are usefulness and usability. So, the patient can pick out a doctor without a queue. Besides, users can evaluate a range of different specialists. For an achievement, this purpose resolved to use manual testing and with the addition of beta testing.
   4.2 Levels of functional testing
   Modular - Integration - System - Acceptance
5. Criteria
   Acceptance Criteria: pass 100% of the Smoke Level Test Cases and 90% of the Path Test Level Test Cases while receiving 100% Critical and High Severity Defect Tests
   The resulting test case security coverage must be at least 80%.
   Criteria for starting testing: release of the build
   Criteria for suspending testing: switching to a critical path test is allowed only if 100% of test cases in the smoke test are successfully passed, testing can be suspended if at least 25% of the planned test cases are completed, more than 50% of them ended with the discovery of a defect.
   Criteria for resuming testing: fixing more than 50% of defects found in the previous iteration

6. Resources
   Software: TestRail, Postman
   Hardware: laptop
   Human resources:

           Developer

           QA

   Temporary resources: 5 months (40*4*5 hours).
   Financial resources: Additional financial resources don't require
7. Schedule
   17.12.22 - creating of schedule
   21.01.23 - development of test cases for manual testing
   28.03.23 - the main phase of testing (execution of test cases, writing bug reports)
   23.05.23 - completion of testing and summarise.
8. Roles and responsibilities
   The software developer takes part in the creation of requirements, participates in writing code
   The QA executes testing documentation and realizes the process of testing.
9. Risk assessment
   Personnel (low probability): in case of disability of any of the team members
   Time (high probability): the deadline for submission is 06/01/2023, so time is a critical resource. It is recommended to make an effort maximum to actually complete the project early.
10. Documentation
    Requirements. QA is in charge of this kind of work. The date of readiness is 21.01.
    Test cases and bug-report. QA is in charge of creating this documentation. The period of creation till 28.03
    Report about the result of testing. QA is in charge of it. The date of readiness is 23.05
11. Metrics
    Successful completion of test cases:

    - the percentage of successful completion of test cases,
    - the number of successfully completed test cases,
    - the total number of completed test cases.
    Minimum value limits:
    The initial phase of the project: 10%.
    The main phase of the project: 40%.
    The final phase of the project: 80%.