Test Plan-Fitness Tracking Mobile App-HealthifyMe.

The test plan included here will give us a brief idea on the testing activities for the Fitness tracking app. Here is an outline of the key components of a test plan:

- **Objective of testing:**
  The main objective of this test plan is to make sure that we cover all the end-to-end user related scenarios and test them effectively as a part of smoke/regression testing, thereby reducing the defects in product and enhance user experience.

- **Scope of testing**:
  This section covers the functionalities/features that can be automated.
  As and when features or RFE's are getting added in the Agile sprint, the new features or changes are tested manually (By Manual Testers-Using Real Device) first and then once confirming the feature/change is stable, it is taken into consideration for automation and added into the Regression Suite. The Product Owner is responsible for updating the changes from time to time to the Automation Team so that Test Automation is up to date.

- **Test Approach:**
  The test case document must be prepared by using following sample template. It can be stored as Excel.

Sl No.	Test Case Description	Test Case ID	Input	Expected Result	Actual Result	Automation Feasibility	Status	Comments
1								
2								
3								

- **Test Environment:**

Sl No.	Particulars	Description
1.	Procedure to get apk	Visual Studio App center
2.	IDE	Eclipse
3.	Platform	Android-Android Emulator from Android Studio
4.	Version	10.0
5.	Test System Config	16GB RAM, OS-Win 10, 64 bit, and so on.
6.	Build Management Tool	Maven
7.	Test Scripting Language	Java
8.	Automation Tool	Selenium, Appium
9.	Unit Testing Framework	TestNG
10.	Build Environment	FT Environment
11.	Version Control System	GIT

- **Defect Tracking:**
  The defects should be tracked using JIRA software stating the severity and priority against each defect.

Severity Type	Severity Level	Priority Type	Priority Level
Blocker	S1	High	P1
Critical	S2	Medium	P2
Major	S3	Low	P3
Minor	S4		

- **Testing Methodologies:**
  Functional Testing, Integration Testing and System Testing is to be performed as per requirements.
  Important Business critical flows can be grouped as Smoke Test cases and further Regression suite can be established as number of features increase to increase test coverage in Sprint.

- **Deleverables:**
  At the end of test life cycle, the following updates/documents are provided by the testing team.
  - Test Cases Executed
  - Test Execution Report
  - Defect Report with attached Screenshots
  - Release Note

- **Roles & Responsibilities:**
  - **Test Lead/QA Manager Role and Responsibilities**
    - Write and Review Test Plan
    - Interact with testing team, dev team and product owner.
    - Handle issue/escalations
    - Allocate tasks to Test engineers and make sure they complete it within stipulated time.
    - Sign the approval for release.
    - Review Test cases and provide feedback.
  - **Test Engineer Role and Responsibilities**
    - Write test cases and review it as per comments.
    - Test case scripting and maintenance.
    - Test suite execution and sharing of report whenever required.