Test Plan

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1 Testing Strategy

1.1 Overall strategy

Connor Beveridge is the main QA person for this app project and so will be responsible for most testing activities and filling out test plan. However, all members will be involved in testing. Testing activities include generation of test cases, selection of resuable test cases, running test implimentations, bug tracking/communication, and quality assurance of testing approach. Unit testing and integration testing will be done with a white-box approach implimenting approproate testing techniques.

1.2 Test Selection

Integration-level tests will be generated from the architectural and component diagrams. Good system level test cases can be derived from use cases, which are closely tied to requirements and documented in a Use Case Model. Black-box testing will be useful for test cases which emulate documented use cases and will be generated as such.

1.3 Adequacy Criterion

Test cases will be peer reviewed for quality.

2 Test Cases

Req/Id#	Description	Steps	Expected Result	Pass/Fail
RT 1	Check if Login Menu loads on app start	1. Load app	Login Menu appears to user	Manual-Pass
RT 2	Check if Login Menu allows logging in with 3 usernames provided	1. Login with demo1, demo2, demo3	App appears with just these 3	Manual-Pass
RT 3	Check if Logout loads using logout button with all pages	1. Test each logut button	Login Menu appears to user	Manual-Pass
RT 4	Check if FHIR pulls data	1. Login in with each user	Name, height, and weight are as expected with FHIR resources	Manual-Pass
RT 5	Check Activities	1. Load activities page	Functional Google Apps searcher appears	Manual-Pass
RT 6	Check if Stats with FHIR functions	1. Load each user	Health Stats based on each user's individual FHIR condition resource appears	Manual-Pass

RT 7	Check tracking functioanlity	1. Load tracking page	Functional drink/water tracker appears and saved drinks appear in history page	Manual-Pass
RT 8	Check Milestone functionality	1. Load milestones for each user	Milestones awarded percent wise based on last drink	Manual-Pass