TEST PLAN:

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| **S NO.** | **FEATURE** | **TEST METHOD** | **EXPECTED RESULTS** |
| 1 | Scan QR code of their inventory | Scan sample QR codes and fake ones. | Real ones should be detected and fake ones not |
| 2 | Add item to their virtual shopping basket. | Check by creating a sample order. | Only the selected item in gets added in the right quantity.  Displays a message and does not add the item if it is sold out. |
| 3 | Order other sizes of same item from other stores. | Check by creating a sample order. | Order should be placed successfully |
| 4 | Check availability of item. | Check by changing the availability of items in stores. | Checks availability |
| 5 | Can checkout and pay for purchase through connection to online payment service. | Check by creating a sample order. | Proceeds only with an active internet connection and displays an appropriate message otherwise. |
| 6 | Reasonably secure the app. | Check by putting in wrong passwords. | Only authenticated users can proceed. |
| 7 | Staff can attach QR code and update store inventory with items |  |  |

Functional Requirements:

Non-functional Requirements:

|  |  |  |  |
| --- | --- | --- | --- |
| **S NO.** | **Item Tested** | **TEST** | **EXPECTED RESULTS** |
| 1 | Product | Create bots to use the app for testing. | concurrent users can be up to 1 million |
| 2 | Performance | Check runtime by running the app. | 1 second - 2 seconds response time. |
| 3 | Space | - | 100MB. |
| 4 | Security | Check by putting in wrong username and password combinations. | Users should be able to log in to their account with a password and have their data stored securely in database. |

FEATURES NOT TO BE TESTED

- APIs- we assume they work

- working of QR scanner

- legislative compliance

- Server connectivity and uptime

User testing:

- Alpha testing

- Beta testing

- Acceptance testing

- Program is run by the end user to check if all requirements are met