# HISS Prototype - Test Plan

This test plan is designed for the Household Installations Service Simulations (HISS) system, following test-driven development. Each test is based on the requirements and sample data from Appendix A.

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| **Test #** | **Purpose** | **Test Data** | **Expected Result** | **Actual Result** |
| **1** | **Hire staff** | **Amir** | **Amir in team, account = 700** | **Enter Staff name**  **Amir**  **Hired: Amir**  **Account = 700.0** |
| **2** | **Hire unavailable staff** | **Amir (already hired)** | **Message: "Staff not available", already hired, account unchanged** |  |
| **3** | **Hire non-existent staff** | **Bob** | **Message: "Not found: Bob", account unchanged** |  |
| **4** | **Hire staff with insufficient funds** | **Hui (requires >450)** | **Message: "Not enough money to hire Hui", Hui not in team, account unchanged** |  |
| **5** | **Do job with eligible staff** | **Job 1000, Amir hired** | **Job done, account increased by job pay** |  |
| **6** | **Do job with no eligible staff** | **Job 1001, no staff hired** | **Job not done, account reduced by penalty** |  |
| **7** | **Staff rejoin after holiday** | **Amir goes on holiday, then rejoin** | **Amir back in team, state = Working** |  |
| **8** | **Hire staff already on holiday** | **Amir (on holiday)** | **Message: "Amir cannot be hired (not available)"** |  |
| **9** | **Display all available staff** | **—** | **List of staff not in team/holiday** |  |
| **10** | **Display all jobs** | **—** | **List of all jobs** |  |