02. Business Requirements Document (BRD)

The solution must perform the following functions to support the automated affordability check.

Functional Requirements	
FR-01: Income Verification Input 🔖 RS-1: Tenant Income Input Form `DONE`	• The system shall allow the user to input their gross annual income (AUD). • The system shall validate that the input is a positive numerical value.
FR-02: Suburb Affordability Calculation	• The system shall calculate the "Affordability Threshold" as 30% of the User's Monthly Gross Income. • *Formula:* `(Annual Income / 12) * 0.30`
FR-03: Database Querying	• The system shall query the 'Melbourne Housing Dataset' to identify suburbs where `Median_Rent <= Affordability_Threshold`.
FR-04: Visualisation Display	• The system shall display a heatmap of Melbourne, colouring suburbs Green (Affordable) or Red (Unaffordable).

Non-Functional Requirements (NFR)

NFR-01 (Performance)	• The affordability calculation must return results in under 2 seconds.
NFR-02 (Security)	• User income data must not be stored after the session ends (Privacy Act compliance).
NFR-03 (Availability)	• The dashboard must be accessible 99.9% of the time during business hours (9am–5pm).