Capstone 2025

Housing Cost Prediction Application

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Business Need

With rising housing costs in Australia, embarking on new construction projects is risky.

Solution

- Utilize mathematical equation developed by Western Sydney University to predict Housing Construction Producer Price Index (PPI)
- Pull data from trusted organization and government resources
- Develop 2 applications that can predict the PPI using the data gathered and equation given







Application Workflow User **Prompt** Gather Data Run Equation Display Results

Gathering Data

- Excel
- Excel Web Queries
- Python
- Selenium and BeautifulSoup used to web scrape







