

Assignment 2 - Problem Statement

“Product Managers and Developers are struggling with inconsistent component definition during final design handoff while in Design workflow stage because component definitions and interactive states are not defined in final design handoff with or without an integrated design system.

This is leading to less engagement in design phase and creating gaps in the productivity workflow for Figma with eventual revenue generation occurring in the wrong productivity stages and undermining the principal of product led growth by non-designers "

This is based on one of the existing brainstorm points from my Assignment 1 Phase 3 & 4 with a RICE score 4;second highest. https://drive.google.com/file/d/1u0PfDISSemPOoy-G8d8EXvqULa12GaJ/view?usp=drive_link

Solution	Reach (1-3)	Impact (1-3)	Confidence (1-3)	Effort (1-3)	RICE Score	Notes
Define components on design	2	3	2	3	4	Localized atomic grouping to act as a design library with or without a Design System integrated in Figma.

Assignment 2 - PRD Prototype

PRD prompt:

<https://drive.google.com/file/d/1qF2aZMHogbZdBtmmOYSFFeDZl66uwQcB/view?usp=sharing>

Prototype Goolge AI Studio:

<https://ai.studio/apps/drive/1-7I5eMWTyK10RiMlw-DFaGWieT5GyruJ?fullscreenApplet=true>

NOTE: Will need to allow Camera as this is default behavior whenever files are used as inpout

Contains complete PRD Markdown that explicitly includes **automatic component detection + atomic hierarchy grouping** as a first-class feature, plus an **AI system prompt** tuned for Google AI Studio / Lovable / Bolt to *analyze and execute* against the PRD.

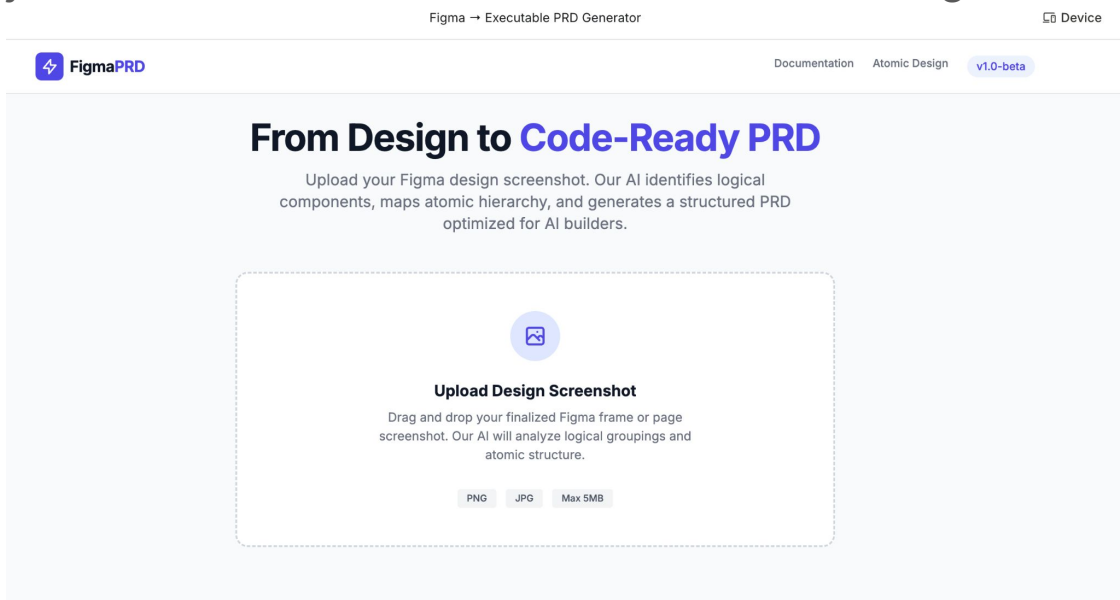
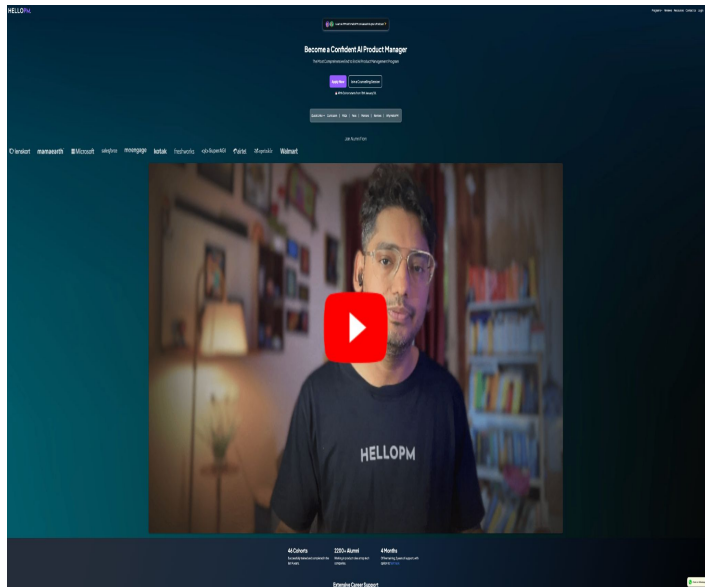
1. FINAL — Executable PRD (Markdown)
2. 7.2 Atomic Hierarchy (Example)
3. 7.3 User Flow Example
4. 7.4 Functional Requirements Example
5. #2 SYSTEM PROMPT (For Google AI Studio / Lovable / Bolt)

Assignment 2 - PRD - Prototype

- Non-Functional Requirements
 - Output must be deterministic and structured
 - Markdown must be AI-readable without post-processing
 - Component names must be human-readable
 - No proprietary Figma data stored externally
- Constraints & Assumptions
 - Design represents a finalized UI state
 - Plugin does not infer backend logic beyond UI behavior
 - Interactions not defined visually are inferred heuristically
- Out of scope
 - Multi-page flow stitching
 - Real-time collaboration
 - Code generation (handled by AI platforms)

Assignment 2 - PRD - Prototype - Scenario - Component definition for HelloPM homepage

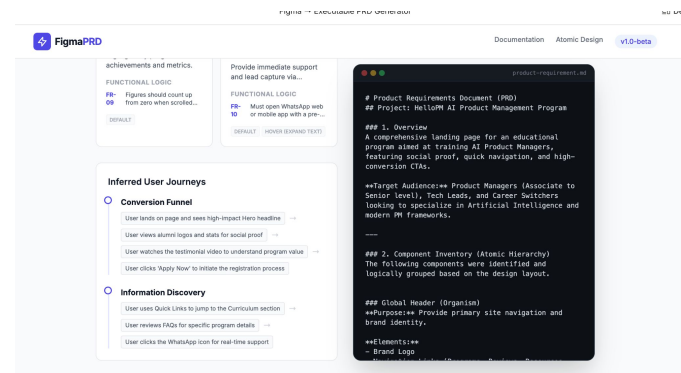
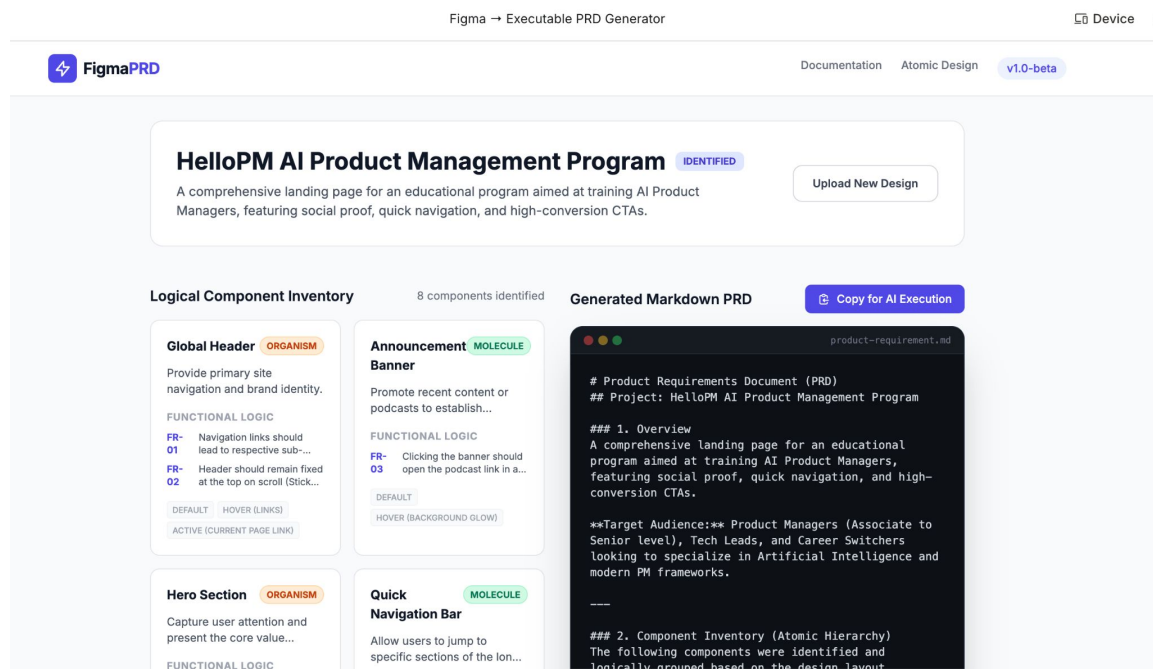
E.g. The HelloPM homepage image is the final design in figma. This image would be within figma. For prototype just take a screenshot. MVP will be within Figma.



Assignment 2 - PRD - Prototype - Scenario - Component definition for HelloPM homepage

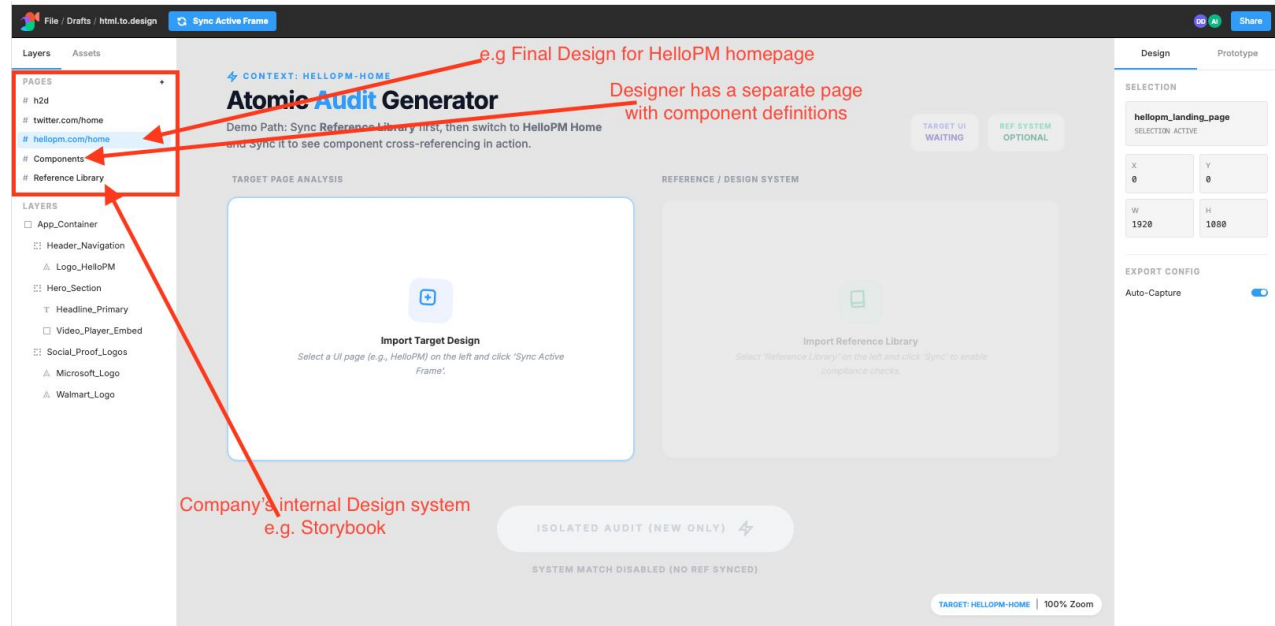
FINAL — Executable PRD (Markdown)

1. 7.2 Atomic Hierarchy (Example)
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Assignment 2 - PRD - MVP

- Added functionality to start component within Figma-like UI.
 - Removed the ability to file upload
- Ability to select page that is a final design and add for Component breakdown
- Ability to have an option to use
 - A page with components (#Components)
 - Connect to internal design system (#Reference Library)
 - Or without any design reference



Assignment 2 - PRD - MVP - How To Run

- Select under Layers sample page e.g. hellopm.com or fintech.com/home
- Click Sync Active Frame
- Have option to run Isolate Audit - No reference library used OR
 - Select **Reference Library** (internal design system e.g. Storybook then **Click Sync Active Frame** OR
 - Select a **Components** page (e.g. designer has create a separate page in Figma with components used on page then **Click Sync Active Frame**
- Result:
 - Audit Breakdown
 - Each component identified with
 - Callout if component is new, modified or existing as compare to reference used. Note: when no reference used will always be NEW
 - Atomic structure of definition
 - AI Executable PRD md prompt to create page
 -

E.g. Fintech.com/home with Reference Library

