Low fidelity UI wireframes proposal for Peelback

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Purpose: UI Design Review and Selection

Introduction:

This document presents three low-fidelity UI design options for the Peelback platform. Each option takes a different approach to guiding the user through the process of uploading research papers and reviewing simplified output.

The goal is to review these options and select a direction that best aligns with Peelback's user needs, technical abilities and overall vision.

Option 1: Vertical Scroll Style

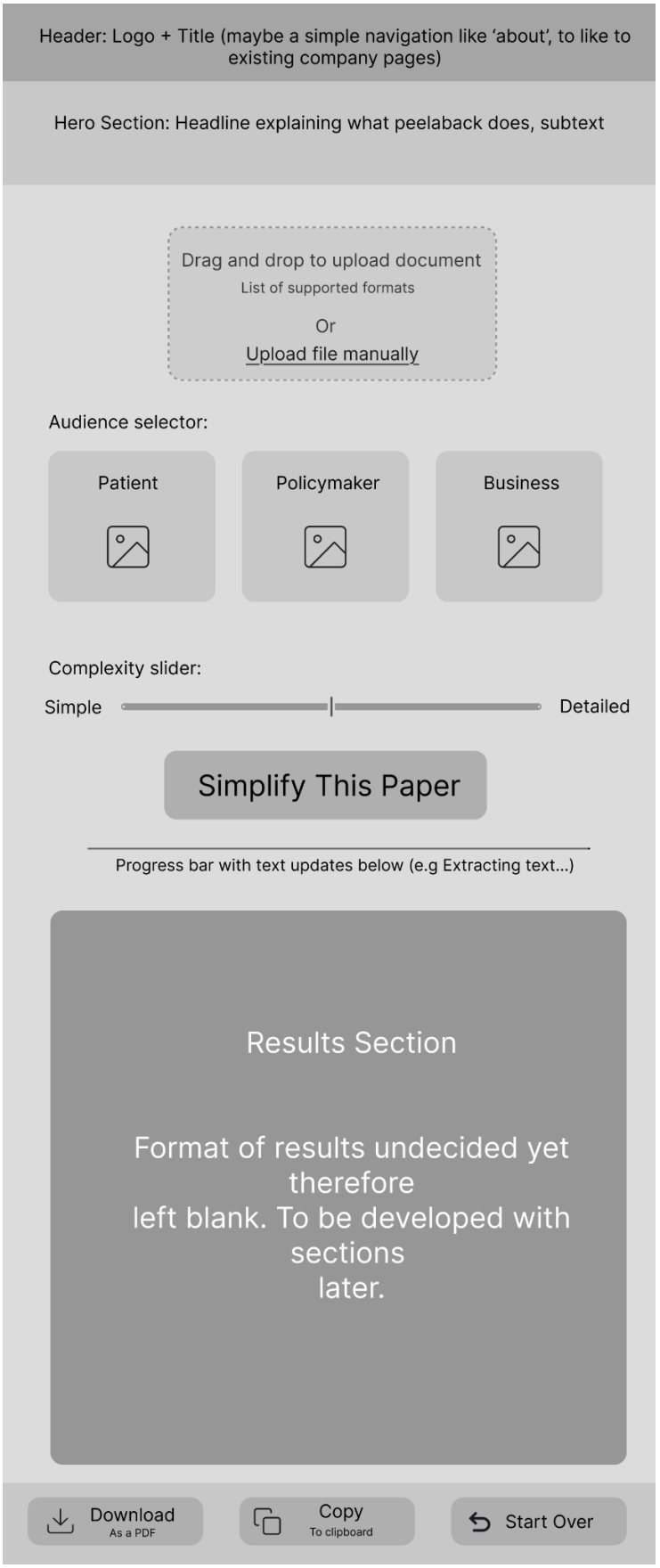
Overview:

A single-page design where users scroll vertically through each step of the process. All functionality is accessible on one continuous page, creating a linear guided experience.

Key Features:

- Single page experience - no navigation between screens required
- Upload area prominent
- Audience selection with clear card-based options
- Complexity slider for fine-tuning output detail
- Results section at the end with structured information sections
- Progress indicator showing process of simplifying paper for user comfort

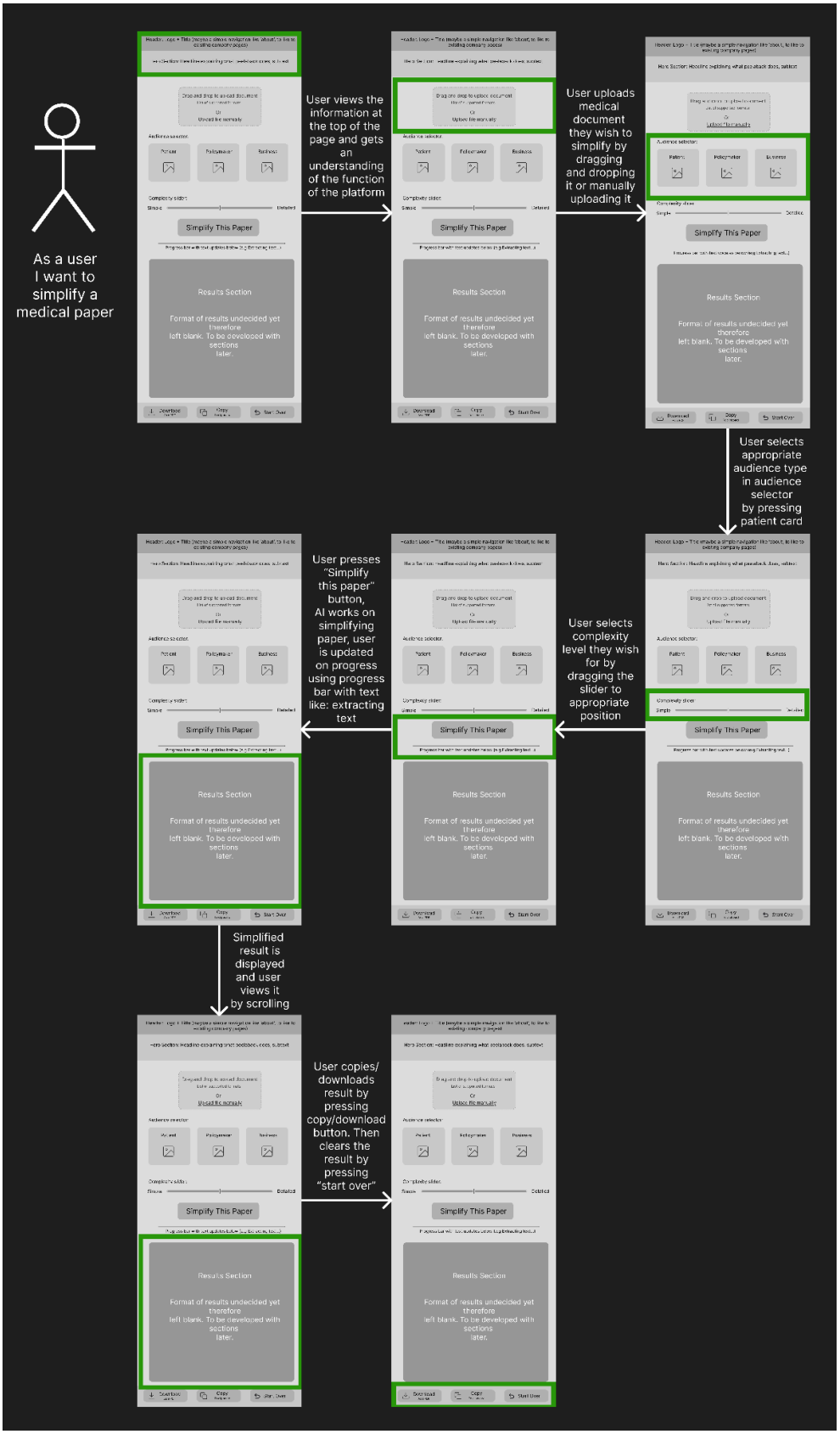
UI design:


Header: Logo + Title (maybe a simple navigation like 'about', to like to existing company pages)
Hero Section: Headline explaining what peelaback does, subtext
Drag and drop to upload document
List of supported formats
Or
Upload file manually
Audience selector:
Patient
Policymaker
Business
Complexity slider:
Simple
Detailed
Simplify This Paper
Progress bar with text updates below (e.g Extracting text...)
Results Section
Format of results undecided yet therefore
left blank. To be developed with sections
later.
Download
As a PDF
Copy
To clipboard
Start Over

User flow:

1. User lands on page and sees upload area
2. Drags/selects PDF or DOCX file
3. Scrolls down to select audience type
4. Adjusts complexity slider if needed
5. Clicks “Simplify this paper”
6. Sees loading indicator with status updates
7. Results appear in structured sections below
8. Can download, copy, or start over

Use case diagram:



Pros:

- Intuitive and familiar - natural reading flow top to bottom
- Great for first-time users - guided journey with clear next steps
- Shows context - users can scroll back up to see original sections
- Simple navigation - no menu confusion or getting lost

Cons:

- Requires scrolling - users must scroll to see results
- Less efficient for repeat use - have to go through same flow each time
- Can feel lengthy - lots of scrolling if results section is large
- Harder to compare multiple outputs side-by-side

Best suited for:

- First-time users exploring the platform
- Public-facing version for patients and non-experts
- Marketing/demo purposes

Option 2: Split Screen Style

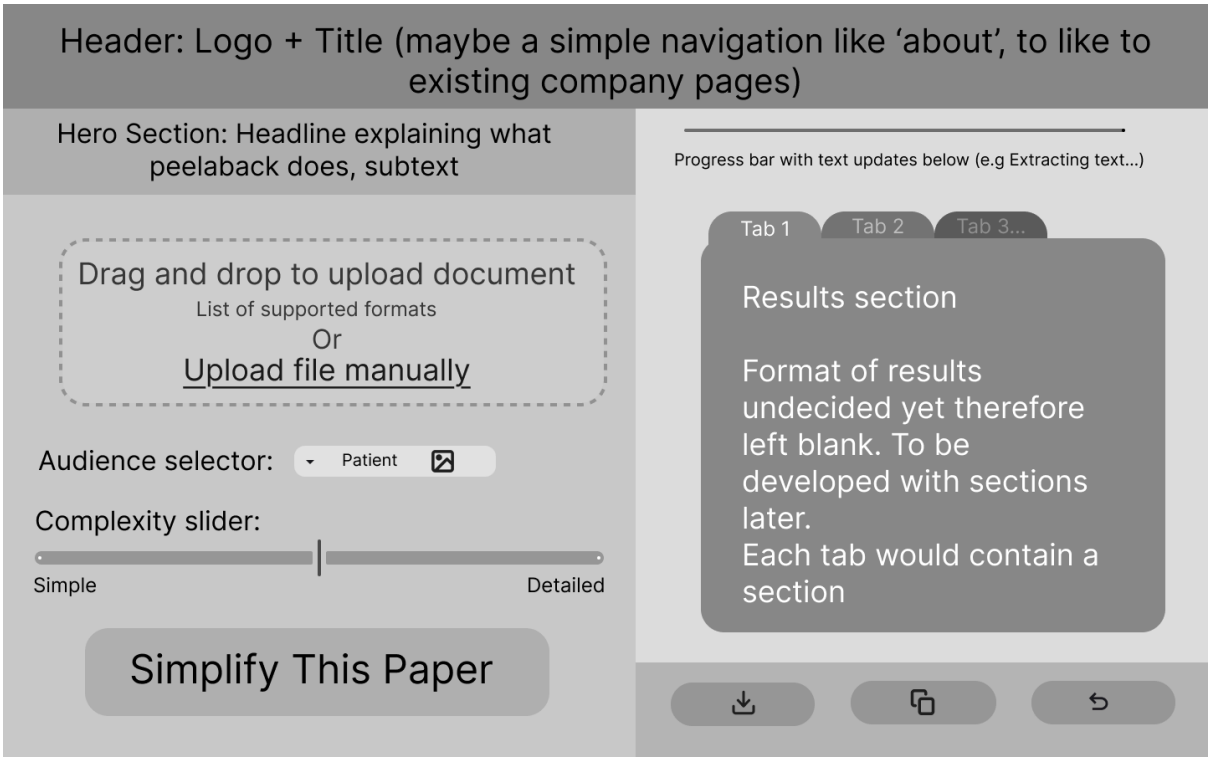
Overview:

A two-panel layout with input controls on the left and output display on the right. Creates an app-like experience similar to Google Docs or code editors.

Key Features:

- Left panel: upload, audience selection, complexity slider, process button
- Right panel: results display with tabbed sections
- Persistent controls - always visible without scrolling
- Side-by-side comparison of input settings and output
- Top navigation bar

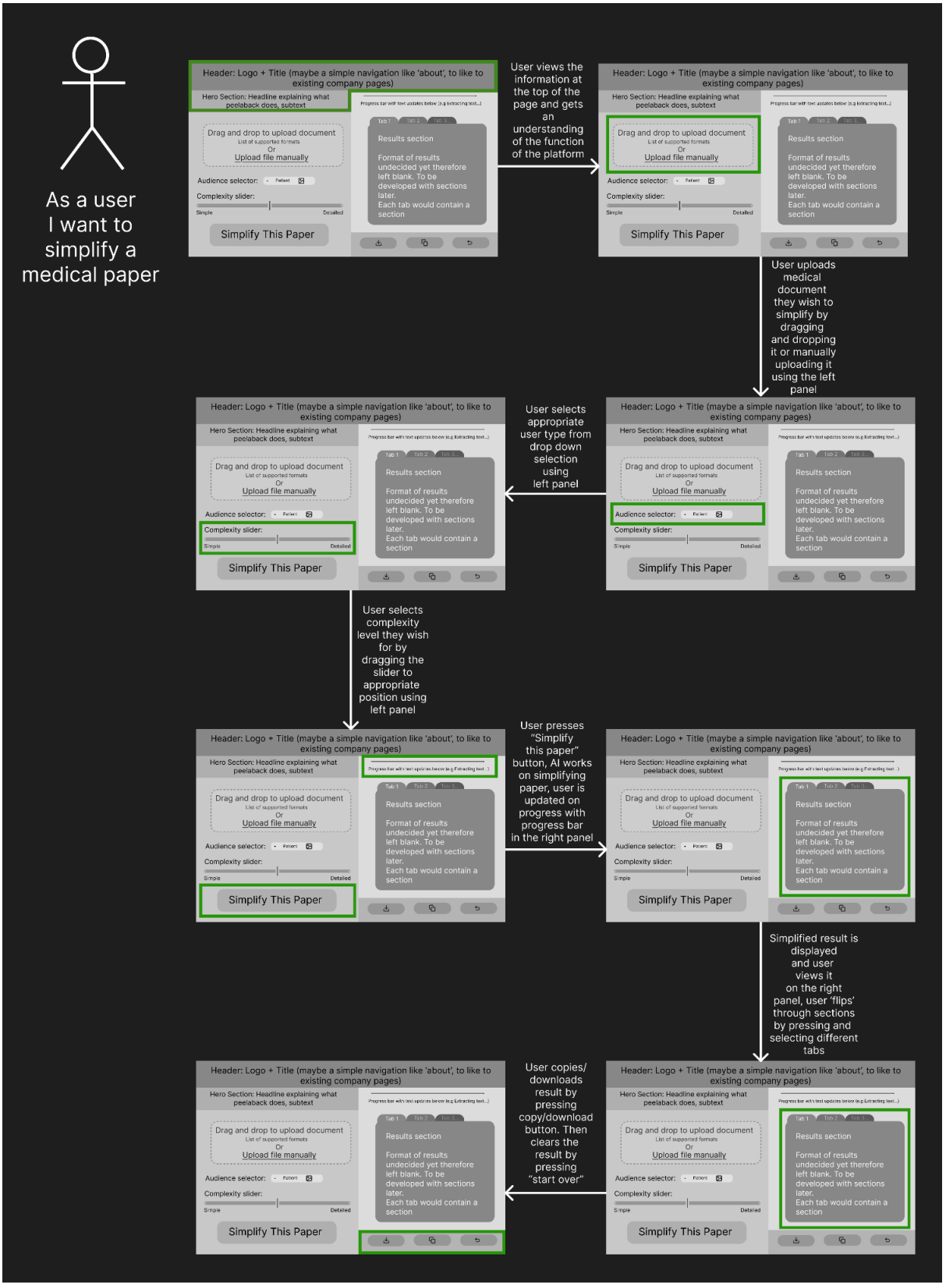
UI design:



User flow:

1. User sees split interface immediately
2. Uploads file in left panel
3. Selects audience and complexity in same panel
4. Clicks “Simplify Paper”
5. Right panel updates with loading indicator
6. Results populate in right panel with section tabs
7. Can adjust settings on left to reprocess without losing place

Use case diagram:



Pros:

- Professional feel - looks like a proper application
- Efficient for repeat users - controls always accessible
- Easy to iterate - can adjust settings and reprocess quickly
- Scalable - easy to add features to left panel later

Cons:

- Less mobile-friendly - needs significant adaptation for small screens
- Can feel cluttered on smaller desktop screens
- Steeper learning curve - more cognitive load to understand layout
- Requires wider screens - not ideal for tablets in portrait mode

Best suited for:

- Researchers who will use the tool frequently
- Internal/researcher-facing dashboard
- Desktop-first users
- Users who want efficiency

Option 3: Step-by-Step Wizard

Overview:

A multi-step process where each screen focuses on one task. Progress indicator at the top shows where users are in the journey.

Key Features:

- 5 distinct screens - Welcome -> Upload -> Choose Audience -> Adjust Complexity -> View Results.
- Progress bar showing steps completed
- Focused tasks - one decision per screen
- Clear navigation with Next buttons
- Guided experience with instructions at each step

UI design:

Header: Logo + Title (maybe a simple navigation like ‘about’, to like to existing company pages)
Hero Section: Headline explaining what peelaback does, subtext
Get started now!
Upload Paper:
Progress bar stating 1/4 progress
Drag and drop to upload document
List of supported formats
Or
Upload file manually
Continue

Audience Selector:

Progress bar stating 2/4 progress

Patient

Policymaker

Business

Continue

Complexity Slider:

Progress bar stating 3/4 progress

Simple

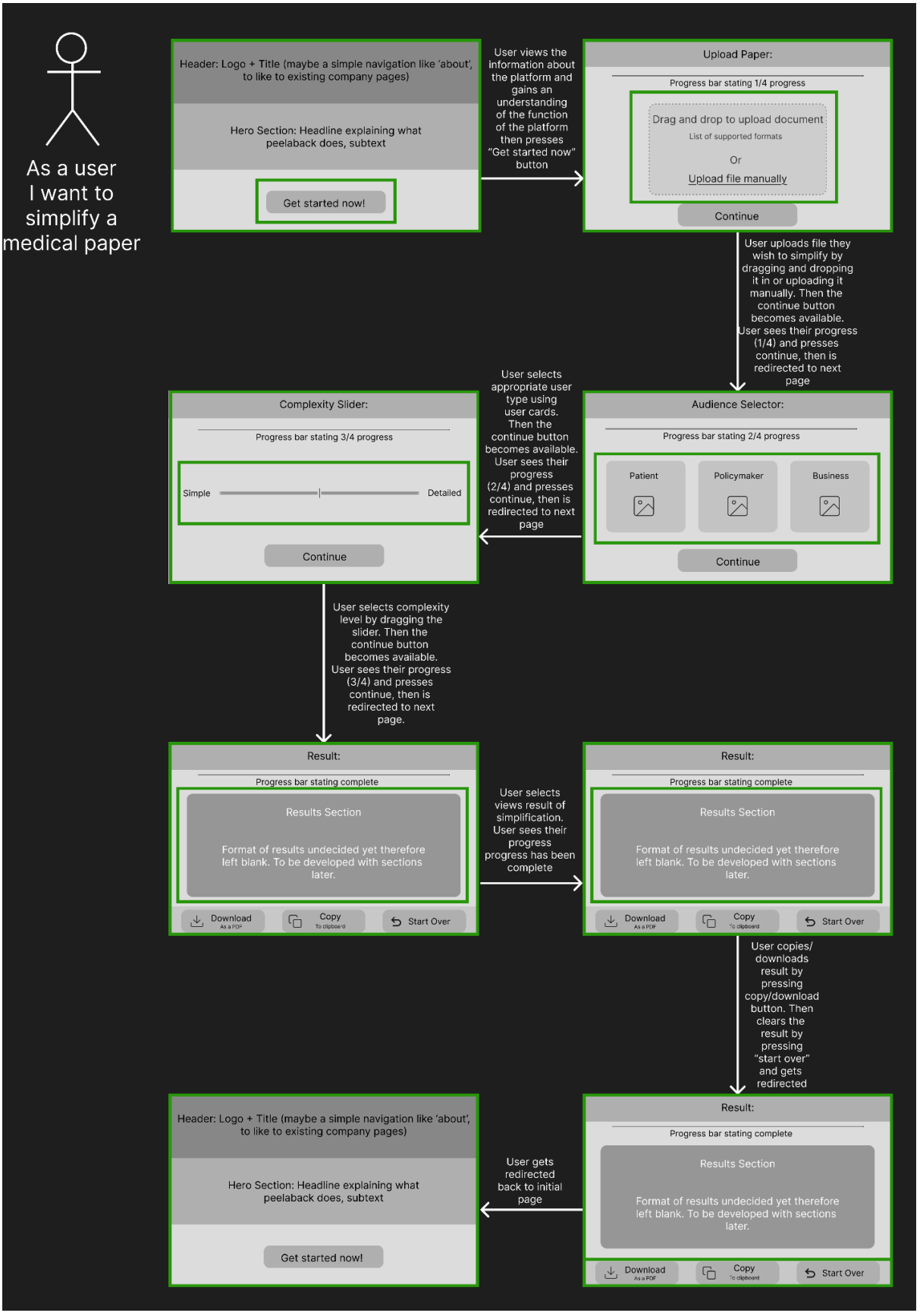
Detailed

Continue

User flow:

1. Step 1: Welcome
    a. Read information about platform
    b. Press “Get started Now” button
2. Step 2: Upload
    a. Large upload zone
    b. File type guidance
    c. Next button activates after upload
3. Step 3: Choose Audience
    a. Three large cards with icons and descriptions
    b. Single selection required
    c. Next button
4. Step 4: Adjust Complexity
    a. Slider with live preview of language level
    b. Process buttons
5. Step 5: Results
    a. Full results display
    b. Structured sections clearly divided
    c. Options Download, copy, start over

Use case diagram:



Pros:

- Least overwhelming - one decision at a time
- Clear progress - users know exactly where they are
- Great for novice users - reduces cognitive load
- Mobile-friendly - each step fits on small screens
- Easy to explain - simple model
- Reduces errors - validation at each step

Cons:

- More clicks required - takes longer to complete
- Can’t see context - previous choices hidden on later screens
- Tedious for repeat use - have to click through every time
- Can’t quickly iterate - needs to go back multiple steps to change settings
- Feels slower even if processing time is the same

Best suited for:

- First-time users unfamiliar with research appears
- Patient-facing version of the platform
- Users who need more guidance and support
- Onboarding/tutorial flow

Comparison Matrix:

Feature	**Option 1: Scroll**	**Option 2: Split**	**Option 3: Wizard**
Learning Curve	*Easy*	*Medium*	*Very Easy*
Efficiency for repeat use	*Medium*	*High*	*Low*
Mobile compatibility	*Excellent*	*Poor*	*Excellent*
Professional appearance	*Medium*	*High*	*Medium*
Development complexity	*Low*	*Medium*	*Medium*
Best for first-time users	*Good*	*Fair*	*Excellent*
Best for experienced users	*Fair*	*Excellent*	*Poor*