Request for Proposal (RFP)

Abbasaghaa Video Editor – Frontend Development

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1. Project Overview

Abbasaghaa Video Editor is a modern web-based video editing platform that allows users to edit videos with AI-driven transcription, translation, subtitle styling, voice dubbing (دوبلهی صدا), and customizable text overlays.

The platform should deliver a **Kapwing-like experience**, enhanced with:

- Multiple transcription models with different costs/quality
- Advanced subtitle editing (resize, move, style, animate)
- Text overlays with templates and brand styles
- AI-driven translation and dubbing

2. Scope of Work

The frontend must include:

1. **Landing Page** – Marketing page (see attached screenshot).
2. **Sign In Page** – Secure login (OAuth or custom).
3. **Dashboard** – Lists all projects, allowing creation or editing of videos.
4. **Create New (Initialize)** – Start a new video project by uploading or recording video. *(No subtitle file uploads)*
5. **Timeline Editor** – Core editing interface with:
   - Drag-and-drop timeline with video/audio layers
   - Real-time video preview
   - Audio waveform visualization
   - **AI Auto-Subtitle:**
     - Original language dropdown
     - Translation target dropdown
     - 3 selectable transcription models:
       - Basic (fast, low cost, ~80% accuracy)
       - Standard (balanced)
       - Premium (high accuracy, slower)
     - Remaining transcription quota display
     - Upgrade button for quota purchase
     - Auto Subtitle button to trigger API
   - **Subtitle Editing Features:**
     - Editable subtitle sentences
     - Character-per-subtitle slider
     - Resizable, movable subtitle text via mouse or finger gestures
     - Style customization: font, size, color, background

- **Animation options** (e.g., fade-in, typewriter, pop)
- Select different fonts for transcribed subtitles
  - **Add Text Feature:**
    - "Add Text" button
    - Multiple text styles/templates
    - Drag-and-drop to brand kit area
    - Different fonts and animation styles
    - Apply to custom text overlays and subtitles
  - **Translation and Voice Dubbing:**
    - Translate subtitles
    - Generate dubbed audio in different languages
    - Dubbed audio shown on timeline for syncing
6. **Export Page** – Displays rendering progress and provides final download link.

3. Functional Requirements
- Fully responsive (desktop, tablet, mobile).
- Drag-and-drop editing with multi-track support (video, audio, subtitles, text).
- **Transcription:**
  - Auto Subtitle with model selection
  - Original and target language dropdowns
  - Cost and quality info for each model
  - Upgrade button for quota
- **Subtitles:**
  - Editable transcript
  - Character count slider
  - Gesture-based resize and reposition
  - Style and animation customization
  - Multiple font options
- **Add Text:**
  - Add overlay text anywhere on video
  - Choose from style templates
  - Apply different fonts and animations
  - Save reusable brand styles in Brand Kit
- **Translation & Dubbing:**
  - Translate video/subtitles
  - AI dubbing with synced audio
- Accessibility compliance.

4. Design Requirements
- Modern, clean UI inspired by Kapwing.
- Bold typography with colorful highlights.

- Interactive buttons with hover effects.
- Timeline with draggable layers.
- Subtitle panel:
  - Editable lines
  - Character-per-subtitle control
  - Style and animation settings
- Add Text panel:
  - Style templates
  - Brand Kit area
  - Font and animation selection
- Mobile gestures:
  - Resize and move subtitles/text
  - Touch-based controls for timeline editing

5. Technical Requirements suggestion(not finalized)

- **Framework:** React or Next.js (SSR preferred).
- **UI Library:** TailwindCSS + ShadCN UI.
- **State Management:** Redux Toolkit or Zustand.
- **Libraries:**
  - WaveSurfer.js for audio visualization
  - Konva.js or Fabric.js for text and subtitle overlays
- **Integrations:**
  - Auto-transcribe API (3 models)
  - Translation API
  - Dubbing API
  - Export API
- **Deployment:** Vercel or Netlify.
- **Testing:** Jest and React Testing Library.
- **Browser Support:** Chrome, Firefox, Safari, Edge (latest versions).

6. Deliverables

- Complete frontend codebase:
  - Landing Page
  - Sign In
  - Dashboard
  - Create New
  - Timeline Editor:
    - Auto-subtitle with model selection
    - Editable subtitles with styling & animation
    - Add Text with templates, fonts, and animation

- - Brand Kit support
    - Translation and dubbing
  - Export Page
- Integrated API calls
- Deployed demo on Vercel or Netlify
- Documentation:
  - Setup instructions
  - API usage
  - Component structure and style guide

7. Project Timeline

- Landing + Sign In: 1 week
- Dashboard + Create New: 1 week
- Timeline Editor (full feature set): 9 weeks
- Export Page + Testing: 1 week
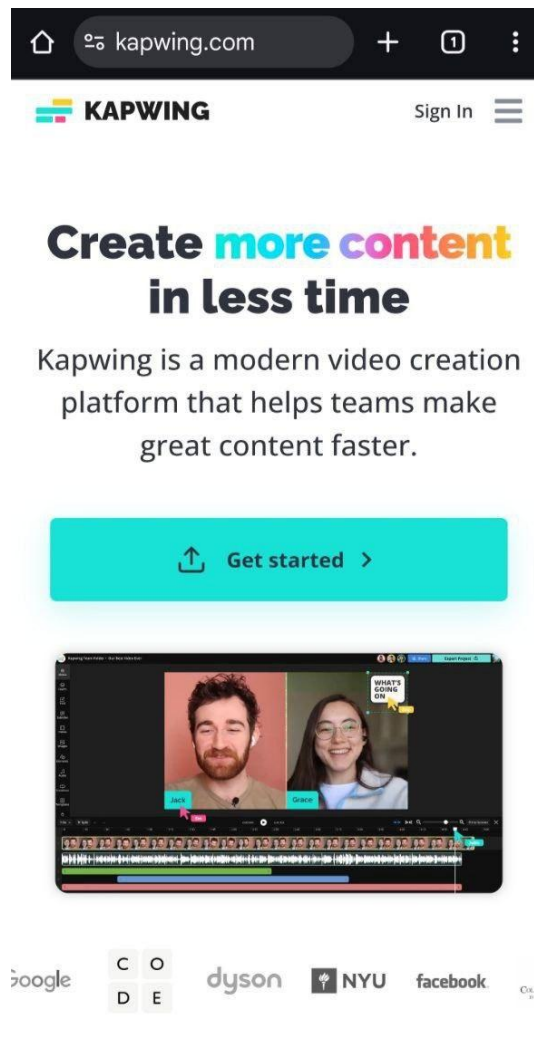- **Total:** ~12 weeks

8. Acceptance Criteria
- Matches provided screenshots and design guidelines.
- Functional Auto Subtitle with models, fonts, and animations.
- Editable subtitles with resize, move, style, animation.
- Add Text feature with style templates and brand kit.
- Upgrade and quota system fully functional.
- Dubbing and translation integrated.
- Responsive and performant on all devices.
- Clean, well-documented, scalable code.
- Passes functional and user acceptance testing.
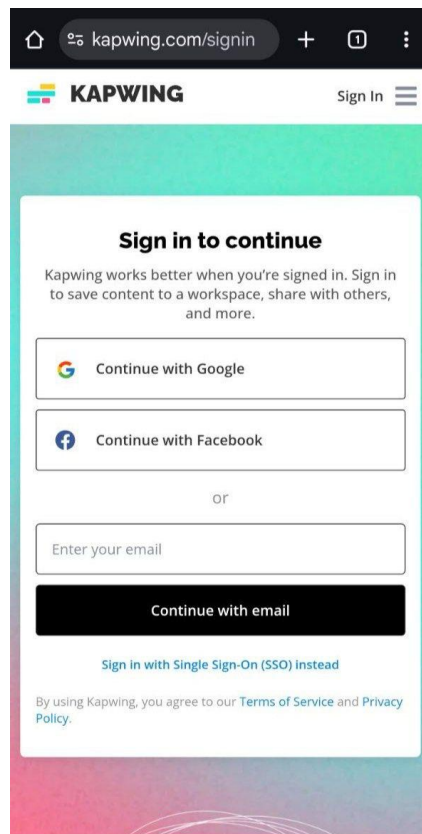
9. Attachments
- Landing Page screenshot
- Editor screenshots:
  - Subtitle panel (models, language selection)
  - Editable subtitles with character slider
  - Add Text with style templates
- Additional pages: Sign In, Dashboard, Create New, Export (to be provided)
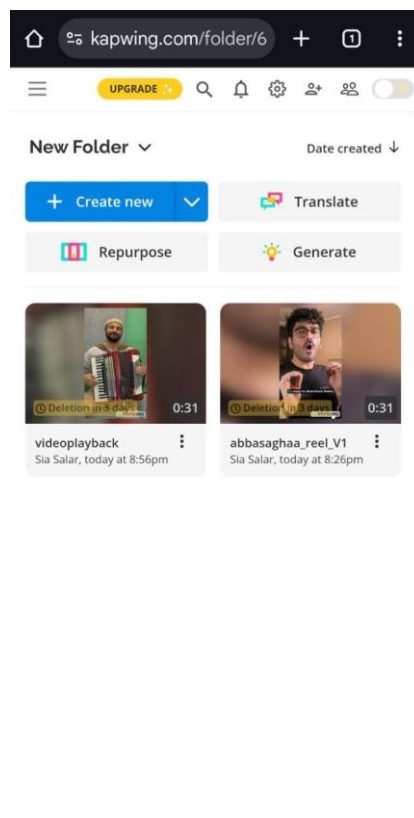
Pages and flow:

1. Landing Page

2.Sign in

3.Dashboard

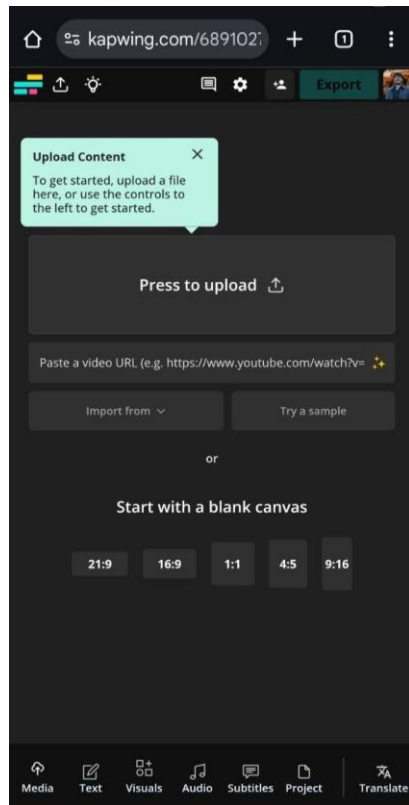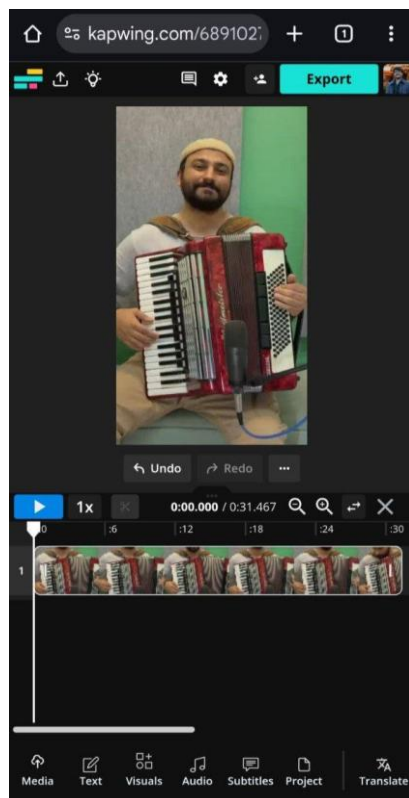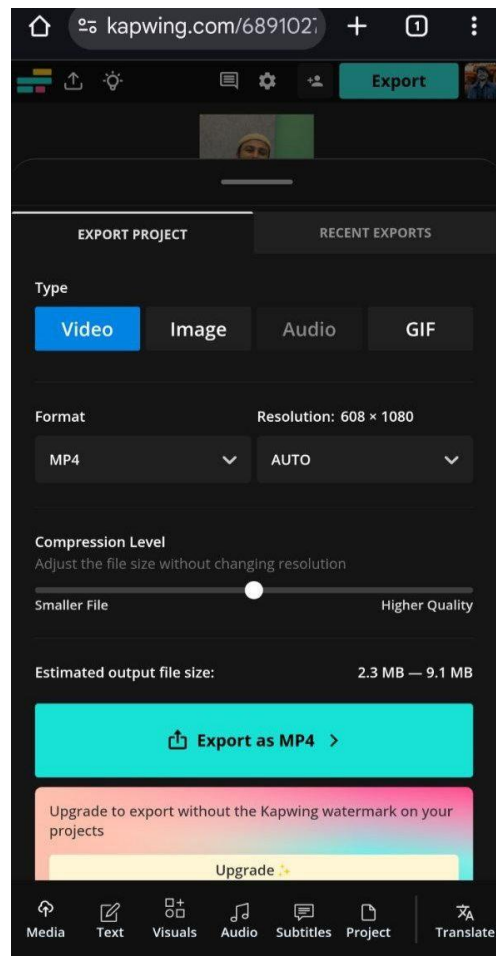4.Create New (Initialize)

5.Timeline

6.Export

1.Landing Page

2. Sign in

3. Dashboard

4. Create New

5. Timeline

6. Export