



# **ADDIS ABABA SCIENCE AND TECHNOLOGY UNIVERSITY**

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#### **Software Component Design**

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# EtXplore Design Documentation

## Introduction

EtXplore is a platform created to explore and celebrate Ethiopia's cultural heritage, offering an easy-to-use interface that highlights traditional clothing, food, rituals, and festivals tied to Ethiopia's unique "13 Months of Sunshine" calendar. The design incorporates interactive features for discovering culture, engaging users, and encouraging content sharing, with a strong focus on accessibility and simplicity.

The design process for EtXplore relied heavily on Figma, which was key in turning initial concepts into a smooth, user-friendly platform. Figma enabled seamless collaboration among the design team, allowing for real-time feedback and iterative refinements. Its extensive features provided fine control over design elements, ensuring consistency across pages and adaptability for different devices.

Figma's component library played a vital role in ensuring uniformity in design and streamlining the development process. By using reusable components and design systems, the team was able to speed up the design while ensuring scalability and flexibility. Additionally, Figma's prototyping tools allowed the team to visualize user interactions and improve user flows, making the experience both intuitive and engaging.

## Pages Overview and Design Flow

### 1. Home Page

The homepage serves as the central hub, introducing users to Ethiopian culture through vibrant visuals and content.

- **Hero Section:** Features a welcoming banner with an interactive "13 Months of Sunshine" calendar. Each month highlights specific cultures and festivals.
- **Cultural Highlights:** Carousel or grid showcasing a curated selection of traditions, events, and ceremonies.
- **Navigation:** Prominent CTAs direct users to the Explore and Chronicles pages.

Figma Workflow:

- Wireframing the layout to ensure clarity and smooth navigation.

- Using Figma's prototyping tools to create an interactive calendar that links to monthly cultural highlights.

## 2. Explore Page

Designed for in-depth exploration, this page includes advanced filtering options.

- Filter Options:
  1. By Category: Food, clothing, monuments, rituals, religious practices, norms.
  2. By Location: Dropdown menu for regional filtering.
- Display: Grid layout of cards with high-quality images, descriptions, and clickable links for detailed views.

Figma Workflow:

- Designed with a responsive grid for smooth scalability.
- Incorporated dropdown menus and filtering logic in interactive prototypes for usability testing.

## 3. Chronicles Page

A social space for users to view and share experiences.

- Feed: Displays posts from other users, featuring images, text, and reactions.
- User Contribution: Easy-to-access section for posting personal cultural experiences, with options to upload images and write descriptions.

Figma Workflow:

- Prototyped user post flow using Figma's interaction features.
- Designed a clean layout to balance user-generated content with platform aesthetics.

## 4. Profile Page

A personalized hub for users to manage their activity.

- Sections:
  - Profile Information: Editable fields for personal details.
  - View Posts: List of posts created by the user.
  - Favorites: Saved cultural highlights or user posts.
  - Logout: Clear and accessible logout button.

Figma Workflow:

- Created component-based designs for reusable elements like buttons and input fields.

## 5. Signup and Login Pages

These pages ensure secure and straightforward user registration and access.

- **Signup:** Includes fields for username, email, and password section, along with a "log in" link.
- **Login:** Simplified design with fields for email and password, along with a "Sign up" link.

Figma Workflow:

- Designed using Figma's Auto Layout for consistent spacing and alignment.
- Emphasized accessibility with large, readable fonts and clear form fields.

## 6. Loading Page

A minimal but engaging page that enhances user experience during content loading.

- It includes a basic animation, with a "Loading..." text moving up and down, and no additional elements.

Figma Workflow:

- Utilized Figma's prototyping tools to design and visualize the animation, ensuring smooth transitions for the developer handoff.

## Integration with Agile Methodology

- **Sprints:** Each page was designed in individual sprints, ensuring focus and quality.
- **Feedback Loop:** Iterative testing during sprint reviews helped refine designs based on stakeholder and user feedback.
- **Collaborative Features:** Figma's real-time collaboration allowed the design and development teams to work seamlessly, ensuring that all updates and refinements were communicated and implemented efficiently. The initial design for each page was created, and through continuous testing and feedback, a refined version was developed. This iterative approach ensured that the final design was more polished, user-friendly, and aligned with project goals.

## Challenges and Solutions

- **Challenge:** Ensuring the cultural elements were authentic while maintaining a modern design.
  - **Solution:** Conducted in-depth research and explored various online resources to validate content and ensure its accuracy.
- **Challenge:** Balancing feature-rich pages with performance optimization.
  - **Solution:** Simplified designs using Figma's component library to ensure faster load times and scalability.

# Conclusion

The EtXplore project exemplifies how Figma's robust design tools and features can bring cultural storytelling to life. By adhering to Agile principles and leveraging Figma's collaboration capabilities, the team successfully designed a user-friendly platform that honors Ethiopian heritage while meeting modern usability standards.