

The background features abstract organic shapes in shades of orange and yellow. In the top left, there's a large orange shape with a pattern of small orange dashes. In the top right, there's a series of parallel orange lines. In the bottom right, there's a yellow shape with a pattern of small white dashes. On the left side, there are dark brown wavy lines. The title 'MaskerAid' is centered in a dark brown serif font, with a small yellow horizontal bar underneath it.

MaskerAid

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Background

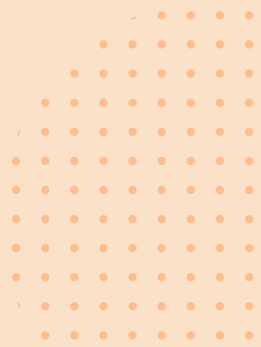
- COVID-19
 - use of face masks in public
- Homemade/DIY face masks

Objective

- Inspired by modern social media platforms
- Bring awareness to how people can use at-home resources and their own creativity to do their part in slowing the spread of COVID-19
- Provide a creative outlet
- Bring communities together



Features

- User authentication/Google sign-in
 - Home Page
 - Scrollable feed
 - Like/Comment feature
 - Post Page
 - Upload images with caption
 - Profile Page
 - Edit profile
 - Display all posts, followers, profile picture, name
 - Settings page
 - Follow other users to see more of their content
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Technology Stack

- React Native
- Firebase
 - NoSQL Database (Firestore)
- 3rd Party Sign in with Google
- Image Compression
 - Resizes photo and compresses client side before upload
 - Thumbnails of every photo are generated server side and are loaded onto device while the full-res version loads
 - Once loaded, the blurry thumbnail dynamically transitions to reveal the full-quality version
- Realtime-Updates of photo feed and like count
 - No reload required to see new posts/likes
- Atomic writes to database ensure that a post either fully succeeds or fails, preventing a case where a post is written to the database without a corresponding photo.



Demo!