



# Group 9



Austin Blair, Paris Martini, Jonathan Moore, Shawn Martin, Anggiela Rojas



# Roles

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## **Database Management:**

Shawn Martin & Anggiela Rojas

## **Front-End Development:**

Austin Blair

## **Back-End Development:**

Johnathon Moore & Paris Martini

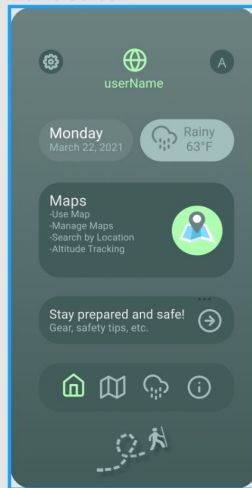
## **Scrum Master:**

Paris Martini

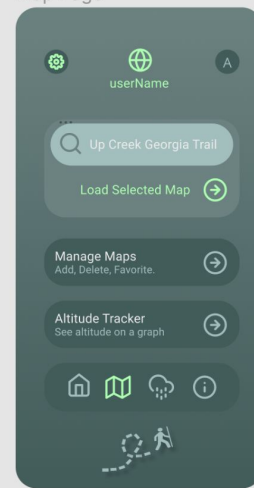
# Front-end Development

- Figma Design
- Android Studio
  - Constraint Layout
- Changes
  - Setting Button
  - Profile Icon
  - Weather Page
- Average Cost:
  - \$30,000

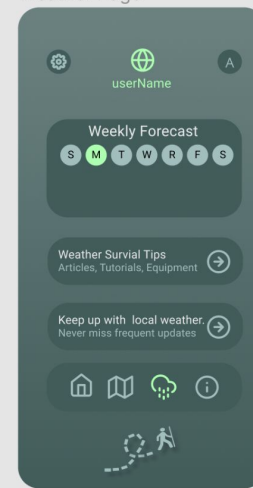
Home Screen



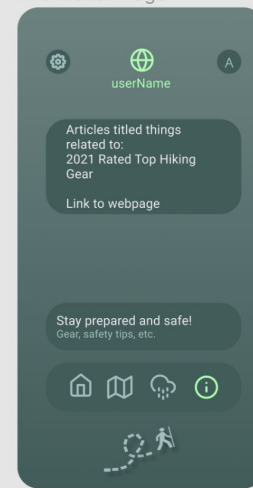
Map Page



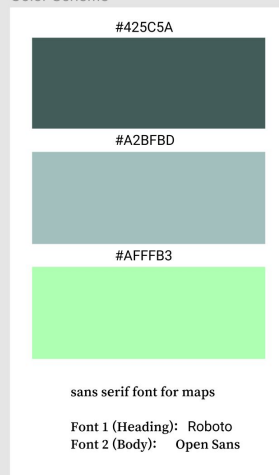
Weather Page



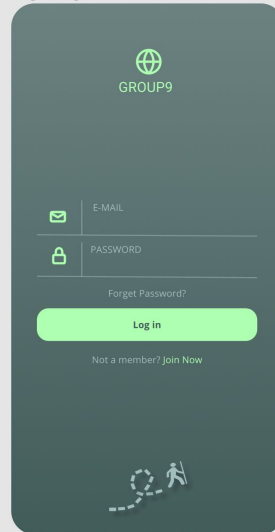
Information Page



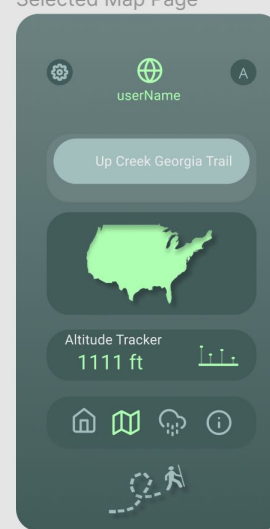
Color Scheme



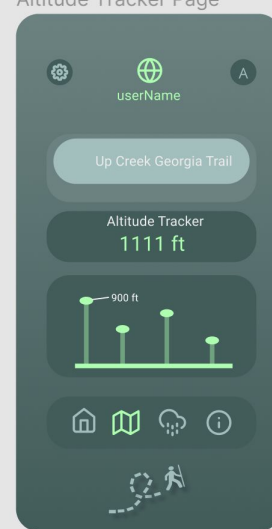
Login Page



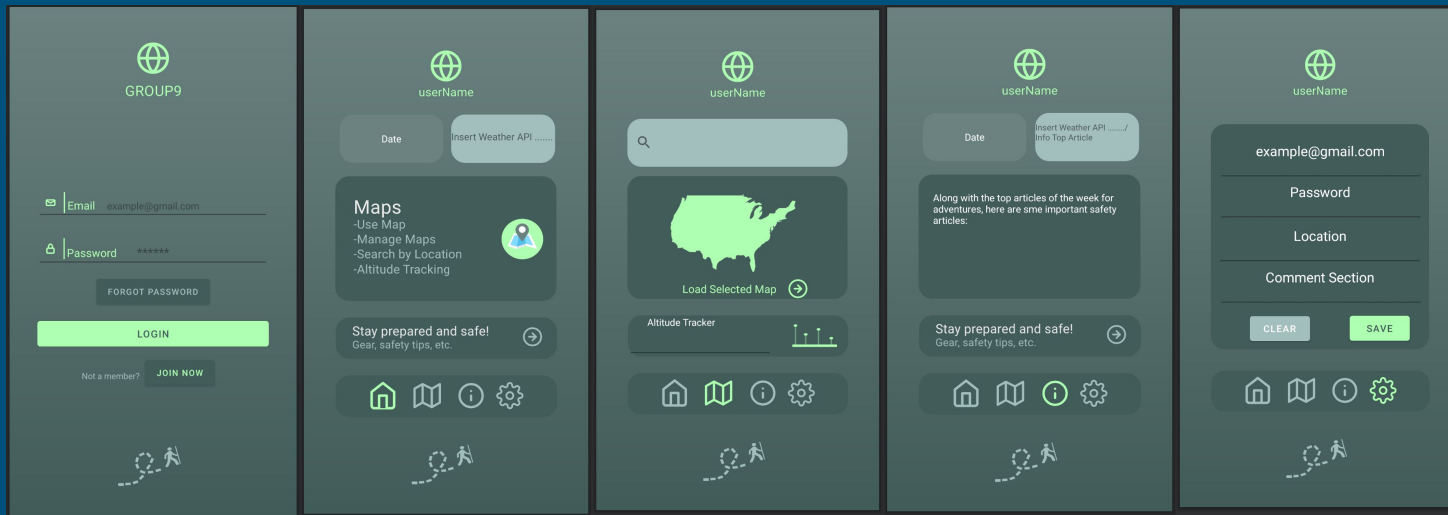
Selected Map Page



Altitude Tracker Page



# Android Studio UI



# Database Design

## Entity Relationship Diagram

### TRAILS

TRAIL_ID: NUMBER ( <b>PRIMARY KEY</b> )
TRAIL_NAME: TEXT
PHOTO: BLOB
LOCATION: TEXT
CITY: REAL
STATE: REAL
UPDATED_DT_TM: DATE
UPDATE_ID: REAL

### TRAIL\_ATTRIBUTES

DETAILS_ID: REAL ( <b>PRIMARY KEY</b> )
TRAIL_ID: REAL ( <b>PRIMARY KEY</b> )
ATTRIBUTE_TYPE: REAL
ATTRIBUTE_NAME: TEXT
ATTRIBUTE_VALUE: TEXT
TRAIL_ID: REAL ( <b>FOREIGN KEY</b> )
UPDATED_DT_TM: DATE
UPDATE_ID: REAL

### TRAIL\_REVIEWS

REVIEW_ID: REAL ( <b>PRIMARY KEY</b> )
TRAIL_ID: REAL ( <b>FOREIGN KEY</b> )
RATING: REAL
REVIEW_DT_TM: REAL
REVIEWER_PIC: BLOB
REVIEWER_ID: REAL

### USERS

USER_ID: REAL ( <b>PRIMARY KEY</b> )
ACTIVE_USER_IND: INTEGER
CREATE_DT_TM: REAL
LOG_LEVEL: INTEGER
NAME_LAST_KEY: TEXT
NAME_FIRST_KEY: TEXT
NAME_FORMATTED: TEXT
USERNAME: TEXT
UPDATED_DT_TM: REAL
UPDATE_ID: REAL
PASSWORD: TEXT

### CODED\_VALUES

CODE_VALUE: REAL ( <b>PRIMARY KEY</b> )
CODE_SET: REAL
CODE_DESCRIPTION: TEXT
UPDATED_DT_TM: DATE
UPDATE_ID: REAL
ACTIVE_INDICATOR: INTEGER

### USER\_FAVORITES

FAVORITE_ID: REAL ( <b>PRIMARY KEY</b> )
USER_ID: REAL ( <b>FOREIGN KEY</b> )
TRAIL_ID: REAL ( <b>FOREIGN KEY</b> )
EFFECTIVE_DT_TM: DATE
END_EFFECTIVE_DT_TM: DATE
ACTIVE_ID: INTEGER

# Functional Requirements

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- Sign-up and login
- Navigation
- Map Viewing
- Map Selection
- Tip navigation
- Weather Check(unfinished)

# Tech

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Communication: Discord

Figma: Feather Icons, Vector Maps, Drop Shadow Effects

Android Studio: Back-end programming and implementing Figma assets

# Problems Faced

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1. Uphill battle with communication and scheduling conflicts.
  - Solution: Establish regular meetings and share notes with members not present. Only marginally successful.
2. Conflicting ideas of project goals.
  - Solution: Better communication.
3. Lack of experience.
  - Solution: Extensive Research

(Reveals we chose the wrong language/platform combination off the bat)