

App: Swave (pronounced “sc-wave”)
Developer: Todd Gavin

App definition statement

- Swave is a surfing application that connects fellow surfers with one another to go surfing. Swave matches surfers with similar preferences and location, checks the surf forecast, and creates an event to go surfing with one another with a specific date, time, and location.

Key Features

- **Sign In / Sign Up Experience**
- **User Profile with Surfing Preferences**
- **Surf User Matching System**
 - Matches users to go surfing with one another based on 2 criteria:
 - Surfing preferences
 - Location proximity
- **Surf Event Creation**
 - Once surf users have been matched with one another, they select a surf spot to go surfing together
- **Surfer Density Map with Statuses**
 - Using MapKit, a surfer can set their status to “surfing” and see a density map of where people are surfing based on their location.

User Profile

Target audience could include gender, age range, interests, etc.

- Age Range: 15 – 30
- Interests: Surfing and Water Sports
- Gender: Men and Women (mostly men though)
- Beginner surfers and people who want to make new friends while surfing OR who don't enjoy surfing alone

Technology Items

- 2 Third-party API / web service / REST service
 - Magic Seaweed (MSW) Surf API
 - Get current information on surf and surf forecasting
 - Firebase
 - Store user profiles, login information, and surf preferences
 - Store surf user matches and event information
- 2 Apple Frameworks
 - Core Location / MapKit
 - Show

- EventKit
 - Create an event to go surfing that includes, date, time, location, information and participants.

Wireframes

User flow:

- User Profile
 - Profile Picture
 - Personal Information
 - Surfing Preferences
 - Primary Location
 - Status
- Matching and Event System
 1. Matched Profiles: User to User
 2. Matched Event: Paired Users to Date/Time (Based on the location and predictive surf report)
- Surfer Density Map
 - Set Status
- Surf Forecasting
 - Current and Future Surf Reports

ITP342 App Designs

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