

## Manual Testing Checklist

Product Name: UCSC Bus Tracker

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- 1.) App launches without crashing
  - a.) Splash screen appears initially
  - b.) If first time, user location permissions popup appears
  - c.) Map centers on user location by default if available
  - d.) Map centers on UCSC campus if user location is not available
  - e.) User cannot rotate app to landscape mode
- 2.) User can move map around, rotate, and zoom
  - a.) Center to user location button appears by default
  - b.) Tapping center to user location button moves map to user location
  - c.) Compass appears only when map is rotated
  - d.) Tapping compass centers rotated map
- 3.) On-campus bus stops are marked and icons load correctly
  - a.) Tapping on a bus stop opens a text bubble displaying its name and info button
  - b.) Tapping on info button opens ETA popup
  - c.) ETA popup should should scale based on screen size
  - d.) User can scroll popup if number of entries exceeds view size
  - e.) If no ETAs are available, a message should still appear to inform the user
- 4.) On-campus buses are displayed and icons load correctly
  - a.) Supported buses can appear anywhere on campus
  - b.) Bus locations update frequently
  - c.) Two buses can overlap without any issues
  - d.) Buses rotate based on direction, and stationary buses do not rotate