

## PALANTIR MOBILE

Real-time police dispatch service on iOS and Android devices. Palantir mobile improves situational awareness by providing access to organization's information to the palm of your hand.

### ROLE

I carried out the entire redesign for the Android version of Palantir Mobile.

My work included the interface re-vamp for pre-existing services and new features such as geotagging, reporting, and barcode scanning. I also produced the front end for the client database library and web management portal. I supervised and iterated on designs alongside the mobile developers and ensured the product progressed authentically.

### TIME FRAME

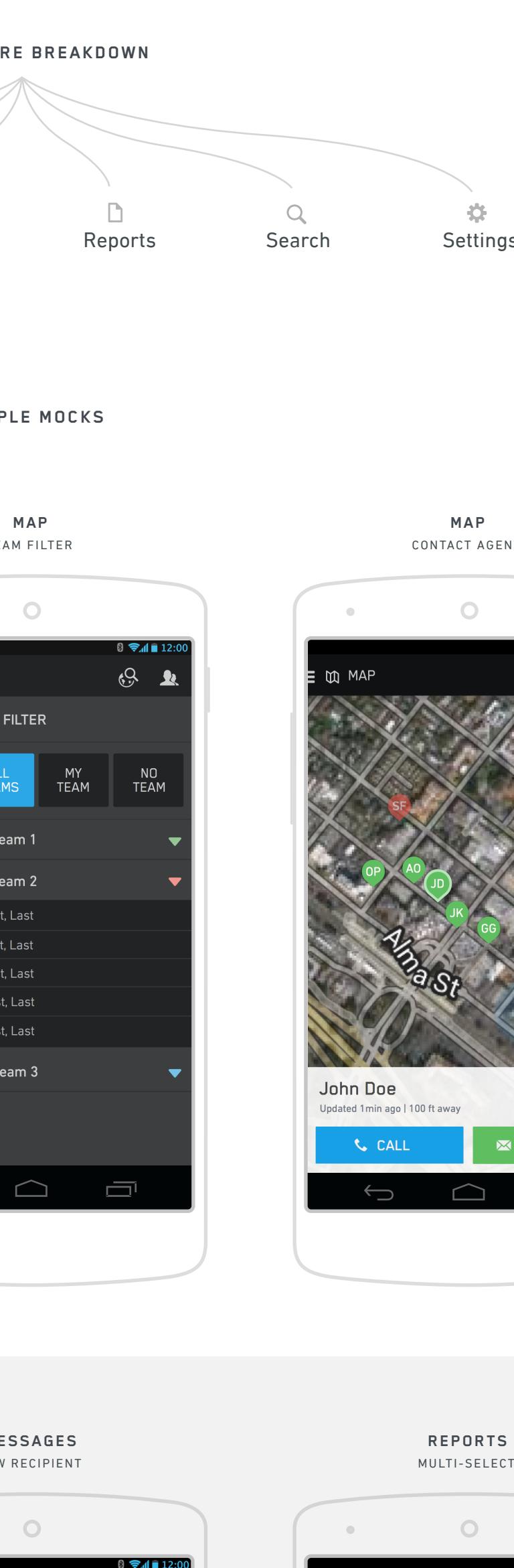
The design process was finished within a month in June 2014 and was launched in August 2014.

### TOOLS

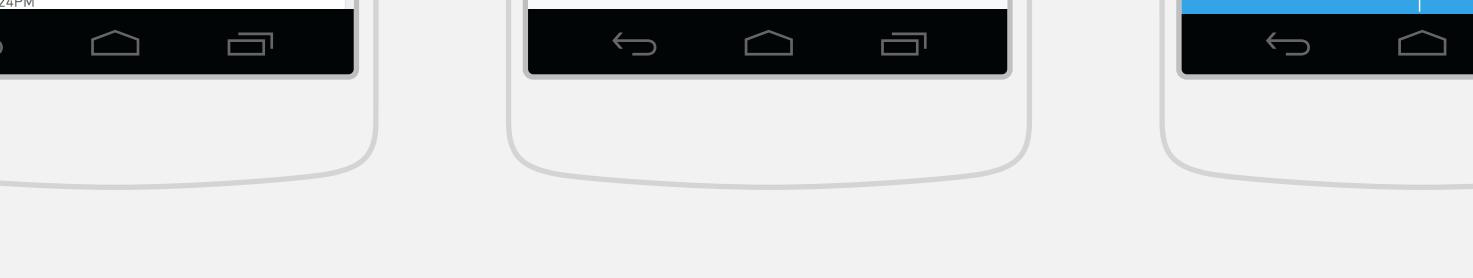
Sketch, Illustrator, Android IDK, LESS/CSS

### POST LAUNCH

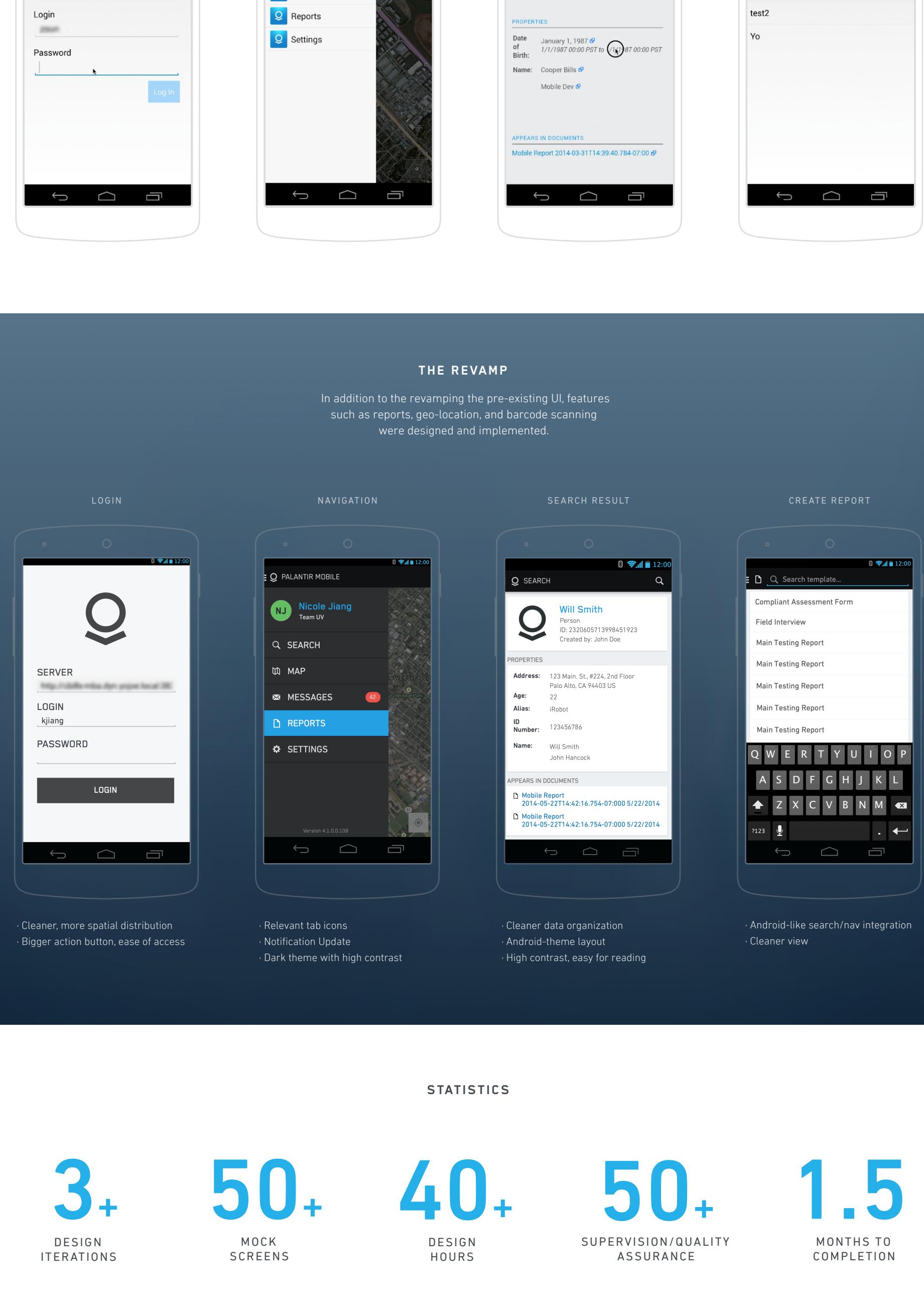
The product received amazing feedback from our clients and it was featured during Palantir's monthly company-wide sync and later the Grace Hopper Conference.



### STRUCTURE BREAKDOWN

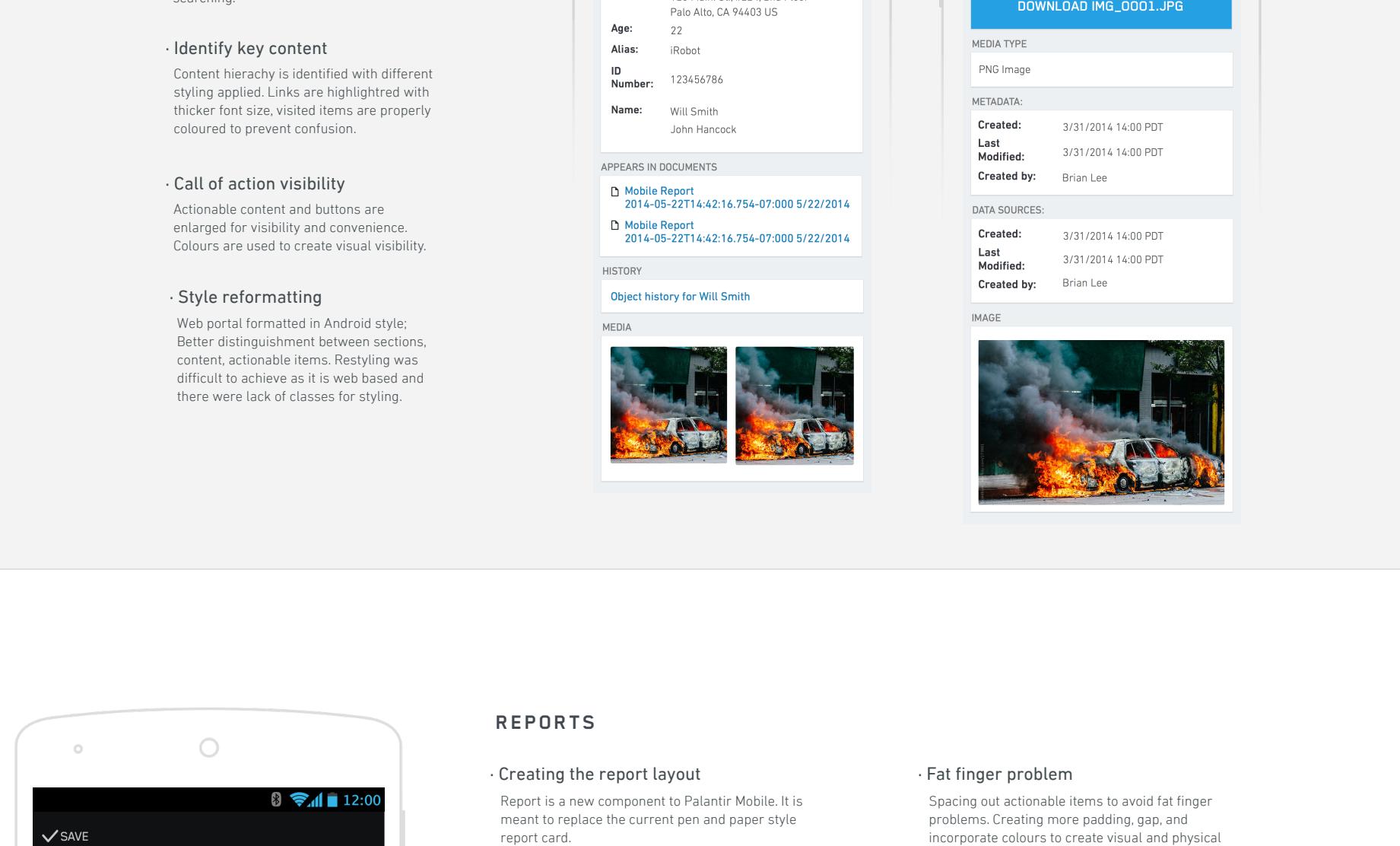


### SAMPLE MOCKS



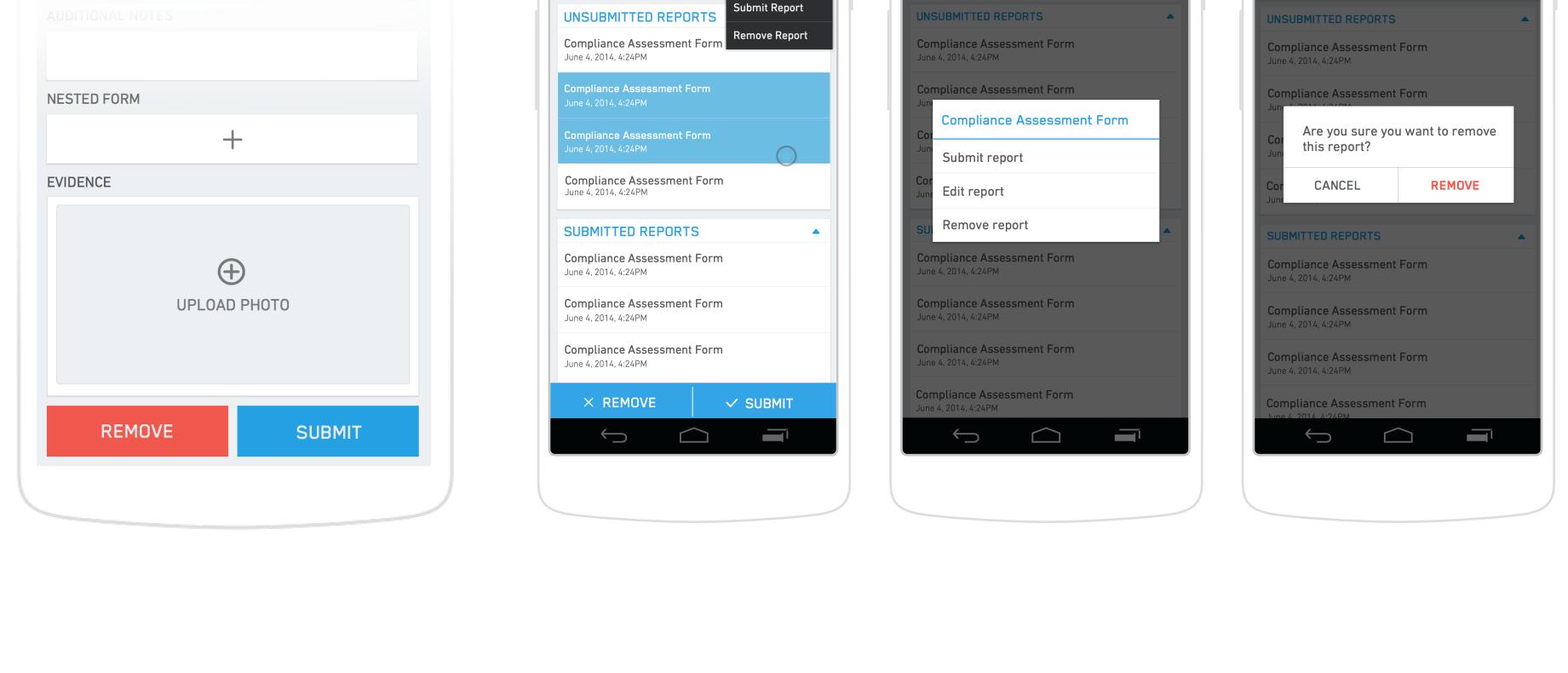
### TO BEGIN (OLD VERSION)

The Android version of Palantir Mobile was made during hack week and its UI needed a LOT of polishing.



### THE REVAMP

In addition to the revamping the pre-existing UI, features such as reports, geo-location, and barcode scanning were designed and implemented.



### STATISTICS

**3+**  
DESIGN ITERATIONS

**50+**  
MOCK SCREENS

**40+**  
DESIGN HOURS

**50+**  
SUPERVISION/QUALITY ASSURANCE

**1.5**  
MONTHS TO COMPLETION

### CHALLENGES

#### GENERAL

- The app was to strictly align with Android design guideline and Palantir

- Primary users: mid-age police officer, with limited training to technology

- "Fat finger problem" is highly common

- App requires to have high visual contrast, ease of navigation and clean

- Primary devices: Nexus 5, Moto X



- Relevant tab icons

- Notification Update

- Dark theme with high contrast

- Cleaner, more spatial distribution

- Bigger action button, ease of access

- Identifying users on map as a pin

Users are pinned by team colour and initial, when selected, the border highlights and the pin centers

- Team filtering

Three buttons on top for ease of access; Teams differ by colour assignment. Drag down option to avoid excessive scrolling

- Call of action visibility

Actionable content and buttons are enlarged for high visual contrast and convenience.

Colours are used to create visual visibility.

- Style reformatting

Web portal formatted in Android style; Better distinguishes between sections, content, actionable items. Resizing was difficult as it's web based and there were lack of classes for styling

- Fat finger problem

Spacing out actionable items to avoid fat finger problems. Creating more padding, gap, and incorporate visual cues to create visual and physical difference.

Mixing orders of actionable items to prevent fundamental mistakes.

- Ease of recognition and navigation

Call to actions are easy to find; report content are easily recognized and therefore filled. Unified all Android actions to same purpose for submission, edit, or delete.

Search for report template in alphabetical order.

- Creating the report layout

Report is a new component to Palantir Mobile. It is meant to replace the current pen and paper style report card.

Clean and logical data input flow; High visual contrast and reasonable font size;

Example input to ensure correctness

- Submit, and multi-select options

Easy-access submit buttons - planted at the top and bottom of the report. Shorten search time.

Multi-select increase the convenience for batch editing as this is the common workflow.

- Multi-select

Editing multiple items at once; Reduces time spent on repetitive tasks.

- Nested forms

Complex forms are broken down into smaller, more manageable pieces.

- Evidence

Uploading evidence items directly from the report card.

- Create report

Creating reports from scratch or using templates.

- Multi-select

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