

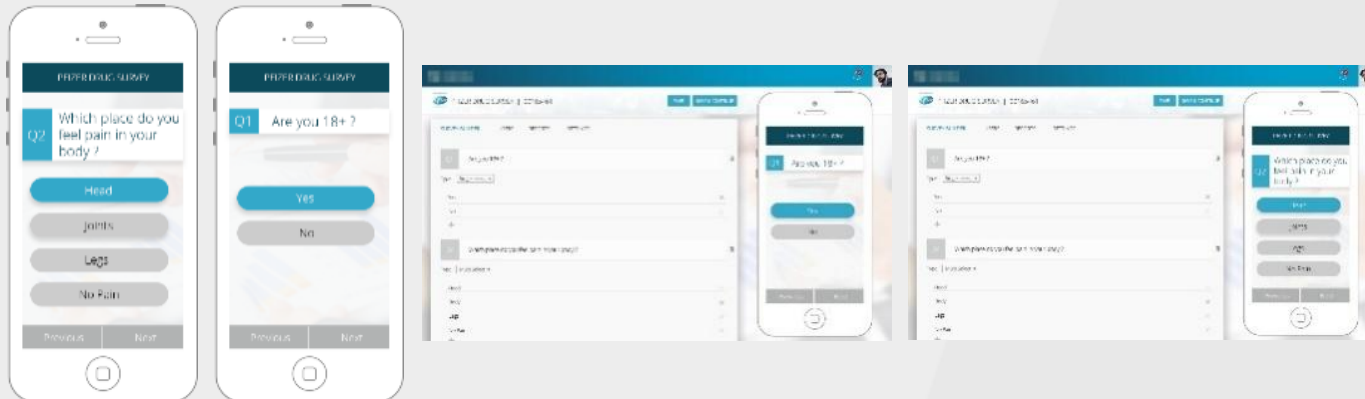
# Dynamic Mobile Survey App and Admin Portal

The client is a non-profit healthcare organization committed to patient care, research, teaching and service to the local community. It helps execute up to 10 survey requests from multiple researchers in a given year. Every new request calls for a project life cycle from analysis to deployment. This is a repetitive and time-consuming process. Without rebuilding its whole platform, the client needed to integrate with activity trackers and electronic health records as well as enable analytical and reporting capabilities for accumulated user data.

OFS built a modular, robust system that accommodated new enhancements with minimal changes, secured data both in transit and rest, enabled cloud with a pay-as-you-go model, proactively monitored the application and system with cloud services, and modeled the data for predictive analytics and reporting.

## Business Benefits:

- This solution's SaaS model provides an opportunity for the customer to offload survey maintenance to the researcher.
- Infrastructure capacity can be scaled up or down based on survey volume.
- The new architecture has increased insights into data, accessibility and reliability.
- Repetitive and manual tasks are moved to the admin console for automation.



## Key Highlights

- Software-as-a-Service (SaaS) model capability to control the life cycle of the survey from creation to completion
- An administrative capability to schedule reminders (SMS, Push, Email), broadcast messages to all users and manage user access
- Dynamic reloading feature for FAQs, Contact Us, reminders, survey, etc.
- Hybrid framework (Ionic) to support one code base, running everywhere methodology (iOS & Android)
- Fine-grained access at user level, data encryption in transit and at rest
- Enablement of AWS cloud service provider and DevOps (CI/CD)
- Service-oriented architecture to empower modularity

## Technologies

- AWS - Cognito, IAM, API Gateway, Mobilehub, Elastic Beanstalk, EC2, S3, RDS, Redshift, Tableau (marketplace) etc.
- UI Frameworks - Ionic 1.X (Cordova, Gulp), AngularJS, Bootstrap, Spring
- Languages - HTML5, JavaScript, CSS
- Application Frameworks - Java, Spring, Resteasy
- Supported Platforms - iOS 8+, Android 4.4+