BIG RATTLE
TECHNOLOGIES

Products and applications are broken either due to poor coding or wrong technology decisions. We help clients recover the projects with minimum downtime.

What is project rescue?

Project rescue to fixing a broken product, website or mobile app. In most cases, the projects are broken due to poor programming or outdated plugins. Also, functionality does not work in many cases due to incorrect technical decisions in terms of platform which restricts functionality.

Project rescue assignments typically start with a list of issues reported by the client. This is followed up with a thorough analysis of the code base, APIs, web services and database design. A list of fixes to be implemented is made and finally implemented.

Top reasons resulting in project failure?

- Forced technology pick without proper analysis
- No proper methodology followed in software delivery
- Lack of attention to detail
- Lack of business understanding
- No coding standards implemented

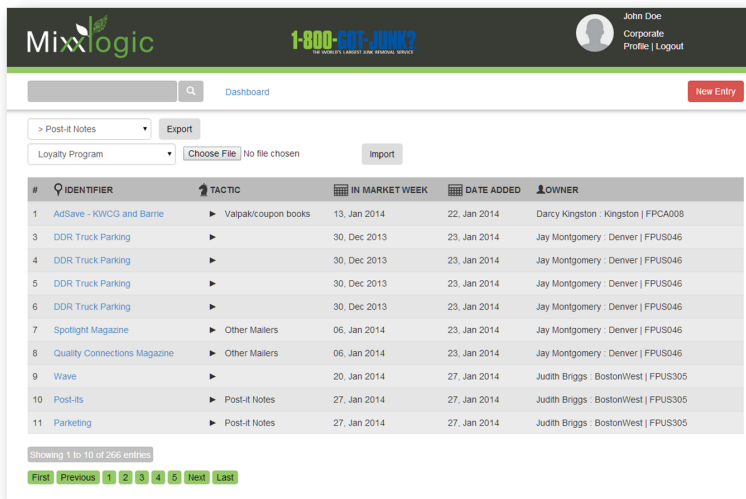## The case of incorrect technology platform

Problem Statement

Mixxlogic's portal has 100s of users logging on and submitting data via 15+ forms. This data was stored in the database and reports were being generated on a daily basis.

The application would crash every time a report with over 3000 records would be generated.

Also, the client reported that the application was very slow and basic functionality would take a lot of time resulting in productivity loss.

Solution

On analysing the code base and database, it was found that the portal was built using WordPress and over 8 plugins. A form of 15 elements resulted in 1000+ database records being created. Data was linked across tables and columns. The plugins used were already outdated and vulnerable to breaking when WordPress would be upgraded.

Since the portal was live, we build the entire backend and frontend with optimised queries. Also, we migrated the data from the old server to the new server and seamlessly switched the portal from the old system to the new one.

Outdated APIs and new OS releases break an App

Problem Statement

The app is focused on customer engagement. The app is a closed group network of owners of a particular brand. Android and Apple released new versions of operating systems and the app was no longer compatible. Also, APIs for SMS validation and fetching data were broken.

Solution

The codebase had limited commenting. APIs and queries were not optimised.

The entire code base was reviewed and cleaned up. Appropriate comments were added and APIs were re-written.

Social media integration was fixed and made compatible with the latest releases of the SDKs.

Maps APIs were updated and deprecated APIs were removed.

The backend and APIs were migrated to a faster server. The app was finally released in respective app stores.
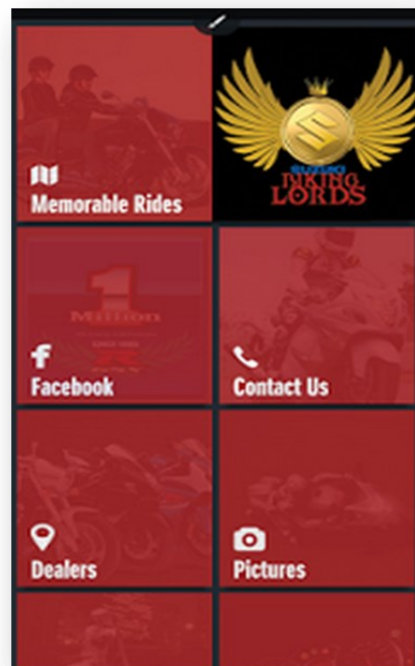
Slow loading and transitions, broken social APIs

Problem Statement

Here we have an app that was tightly integrated with Point of Sales (POS) and loyalty engine.

The took over 10 seconds to load and the pages within the app rendered slowly.

Also, points that were to be credited to user account on sharing content on social networks was not working. Customers posted negative reviews for the app.

Solution

The app architecture was reviewed and it was found that there were too many connections being made to multiple systems.

Also, data storage was not optimised where all the data, regardless of updates, was being fetched from the server on every app launch and when the user navigated from page to page.

API connections were optimised and data was locally stored. Delta data was being fetched along with updates when required instead of the entire data payload.

Social media share earned user points were broken due to deprecated APIs. The APIs were fixed and points credit functionality was restored. Updated app was finally released in the App Store.
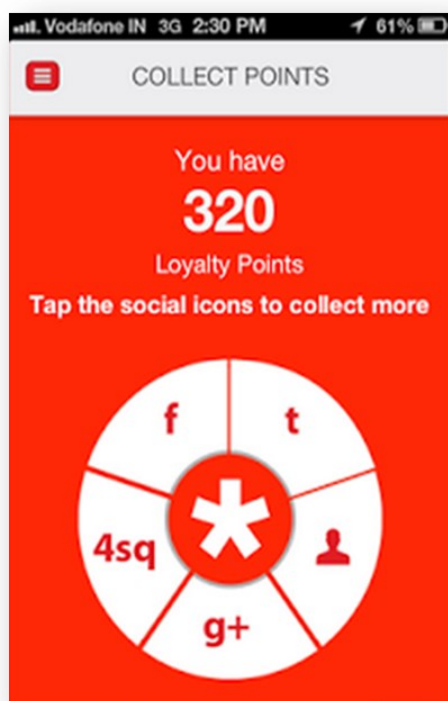
App Development and Web Development Capabilities

Kissanpur.com: World's First Ever Crowd Sourced Tomato Farm

Learn how Big Rattle Technologies delivered Kissanpur, 2 years in a row reaching over 2.5 million households with tips to grow tomatoes, contests, photo galleries, leader board and blogs.

BMW Event Registration App for iPad

Learn how Big Rattle Technologies digitized the event registration and press kit delivery process for BMW. The app was used at the Auto Expo in India.

Kaypay.com: First Bank-Agnostic Funds Transfer Platform for Kotak Mahindra Bank

Learn how Big Rattle Technologies helped Kotak Mahindra Bank envision, design and deliver kaypay, a first of it's kind social banking application

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Big Rattle Technologies

Mobile | Web | Design

Ashoke Kumar Seth

+91 98211 12357

Girish Kundlani

+91 98672 80874

contact@bigrattle.com

www.bigrattle.com

In 2012, we began building mobile apps. Today, we've built over 10 apps. We are driven by a simple goal: ***Provide our clients with reliable, quality software at a cost-effective price, and ensure projects run smoothly, strategically and predictably.*** Building you the best app possible is critical, so is the process it takes to get there. That's where we come in.

At Big Rattle Technologies, we takes a business-driven methodology to all of our projects, we use technology as a way to solving a challenge rather than suggesting a predefined solution. In building a reliable, cutting-edge software, we account for the challenges that our customers seek to tackle, together with the goals they would like to accomplish. Our focus is on forming long lasting IT partnerships. with our customers.