Octal Info Solution
Technology Outsourcing Simplified

Case Study StormPins

Client:	Public – Anyone at risk for flooding or any unforeseen incident
Market:	Smartphone Mobile Applications, Information Technology
Focus Area:	Flood Risk, Hydrologic Prediction, Data Collection, Data Management
Project:	StormPins Web and iPhone Application Development

Taking the responsibility to build an app that is thoroughly one-of-its-kind in the GPS fraternity – devising the best way to offer a business perspective to the <u>innovative</u> do

The study explores a specific business standpoint to address the application and the solution provided

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[Participate with your neighbors and city officials to warn and inform on a daily basis.
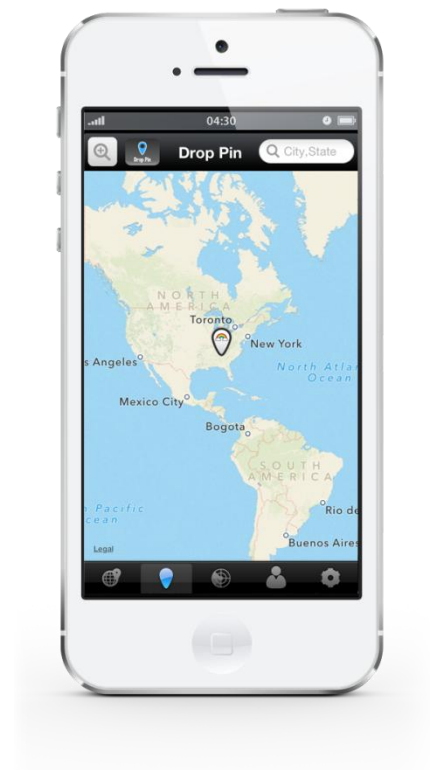
Each pin has an embedded chat room.

Many photos have are used on-air by local TV stations. Newly added "Other" pin can be used for sunsets, rainbows and that perfect day at the park. Share pictures with your TV station and your community.]

IMPROVING SOCIAL MEDIA FOR EMERGENCY COMMUNICATIONS

StormPins – Web Application and Mobile App for iPhone

An iPhone mobile application that uses social media for emergency communications. One-of-its-kind application that uses phone's GPS and lets you report things like fallen trees, flooded roads, accidents and other incidents. These hazards are then visible on the web and the app. The main feature of this application is that it closes the information loop. StormPins comes with an online dashboard for emergency managers (Government officials) which allow them to view all reported hazards, forward them to emergency responders or delete them.

Key Challenges:

Client came to Octal Info Solution with a rough idea of a weather application. The main challenges that arose:

1 Implementing the radar system to the Google API

2 Pinpointing the exact locations via GPS

3 Embedding photos and videos on the map

Plan & Solution:

Octal designed and developed a mobile app that includes extensive use of Google, Facebook and Twitter APIs. Our solution included the following features:

- Customer registration and profile using Facebook/Google+
- Dropping Weather pins to different locations
- Using social media for weather forecasting
- Emergency communication
- Crisis Mapping
- Uploading photos and videos to the Pin
- Increased situational awareness
- Closing the information loop
- Providing three days weather forecast

Technology:

For iPhone Developed in IDE with Xcode 4.5 and
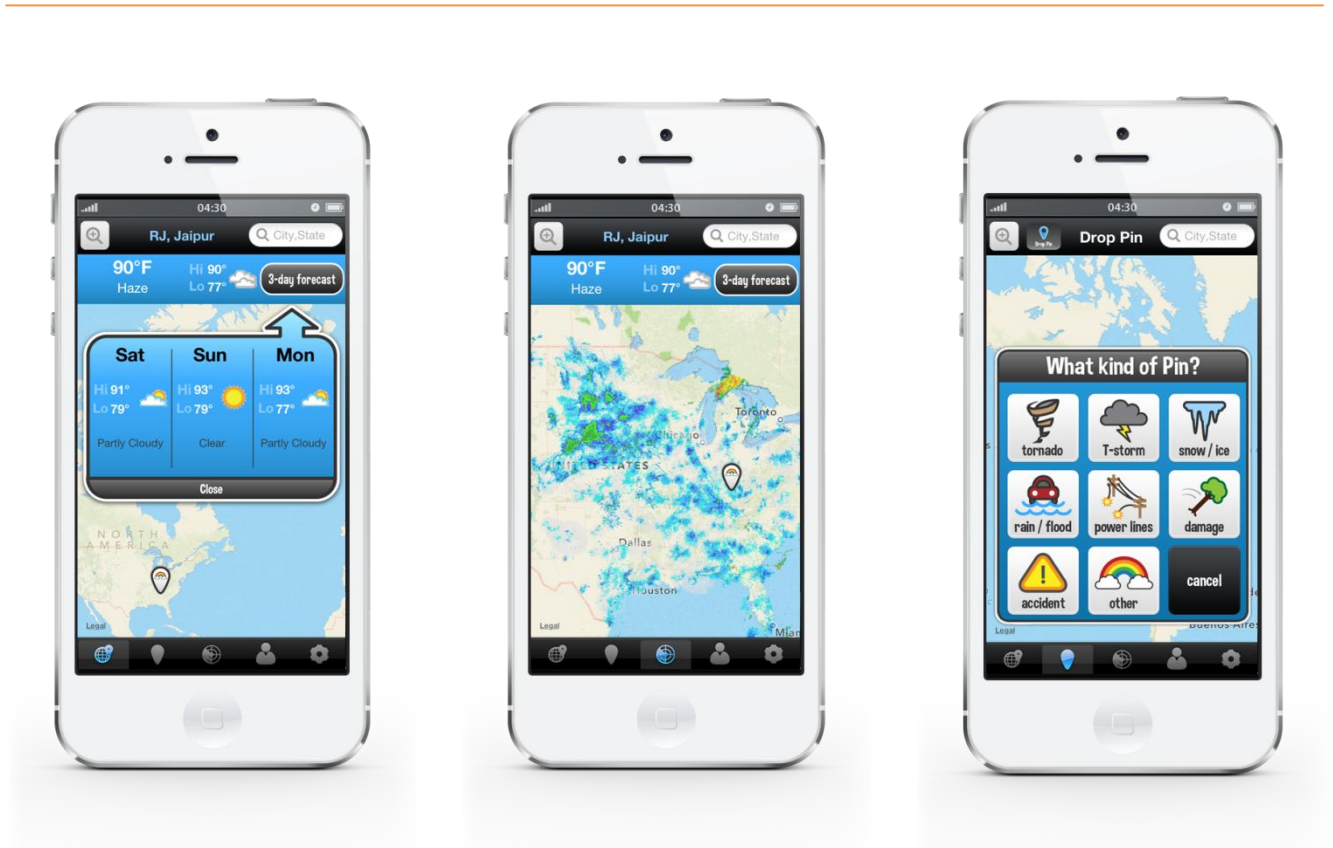
Cocoa framework –MySQL used for managing the database

Results & Benefits:

The solution offered by Octal Info Solution exceeded the requirements of Client and quickly gained attention of the U.S. Government.

- ■ Client is extremely satisfied with the outcome of this project, and the quality of the finished product overall was very high exceeding their expectations.
- ■ The mobile application developed by Octal Info Solution gained very high reviews from its community users; further strengthening StormPins relationship with its customers.
- ■ The application got selected by the U.S. Government and is presently being used by the same.
- ■ The application was also introduced to the U.S. citizen by CNBC.
- ■ It gained overwhelming response from the app users.

StormPins required clubbing of the finest GPS features together and integrating selected APIs with it – putting it into a form where users can easily find their way towards dynamic information system over emergency communication, done on the top-of amazing smart phone technology. This futuristic app idea is backed by profound research executed by our expert professionals!

--- **Client Review** ---

"Octal Info Solution has completed the assigned project with extreme diligence and exemplary support. Though we initially had reservations on working with an offshore vendor with significant time difference – however, we were pleasantly surprised at how accessible the company's staff was and responded to our queries in a timely manner. Though we generally do not give superlative ratings (5 out 5) to any service provider – in this case we felt completely satisfied with their service to do so and would certainly recommend Octal Info Solution for its consistency, promptness and quality."

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Octal Info Solution Limited is an ISO 9001:2008 certified company based in UK. The company has produced exhaustive enterprise level and utility based solutions in a wide array of technology like .Net, Open Source, iPhone, Android etc. In the history of ten years, Octal has earned notable associations from technology leaders like Microsoft, STPI, D&B, Drupal etc. All these years, the company has developed a number of websites, desktop and mobile apps and custom software solutions in the verticals of hospitality, healthcare, media & entertainment, education, manufacturing, online retail, telecom, lifestyle industry and other service establishments for more than 1200 clients that include the likes of Vodafone, Fiat, Aviva, Skype and other fortune 500 companies.

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