

# Simplifying Information Management System for Emergency Preparedness

*Client is a large non-profit organization dedicated to work towards the welfare and upliftment of societies. They are committed to protect human rights of the affected countries and their citizens.*

## Situation analysis

The client's existing information on member states was currently distributed between two systems and the information was not always updated due to the dependency between two systems.

As the information was distributed, it did not comply with the latest expected standards. The need of the hour was to build a unified platform that facilitates timely response system to help the geographies impacted.

This was envisioned by the client when the recent impact on Japanese nuclear reactors (due to Tsunami) had triggered to maintain up to date information on preparedness of various member states. The need was felt for a uniformed site for auditing the information received from various countries to maintain updated data accessible from a single application.

## Vision

The vision of this project is to develop an interactive web-based tool that aids faster Information Management System (IMS). The objective is to provide access to all member countries and their specific authorities to provide their country information. The portal would ease the information sharing between different authorities and publishing the information on the IMS enabling faster response.

## Solution

The organization being a long standing client for e-Zest, had the confidence in our capabilities and assigned this project to bring their vision to reality. The team understood the client's requirements clearly and went ahead with application development activities under managed services that included design recommendation by e-Zest.

The team carried out application development in Asp .NET MVC for its compatibility as the client used MS technology stack for all their content related activities. As the need was for a unified site, collaboration played a crucial role in content audit and efficient information system. Hence, different role based access and interfaces were created for different users. These four key roles also defined the end users of the portal which include:

- Client team
- Country specific coordinator appointed by the client
- National users
- Audit team

This structure eases the information sharing between various authorities and publishing the information on IMS enabling timely response. Additional features such as track changes and report generation were integrated within the application as per the client requirement.

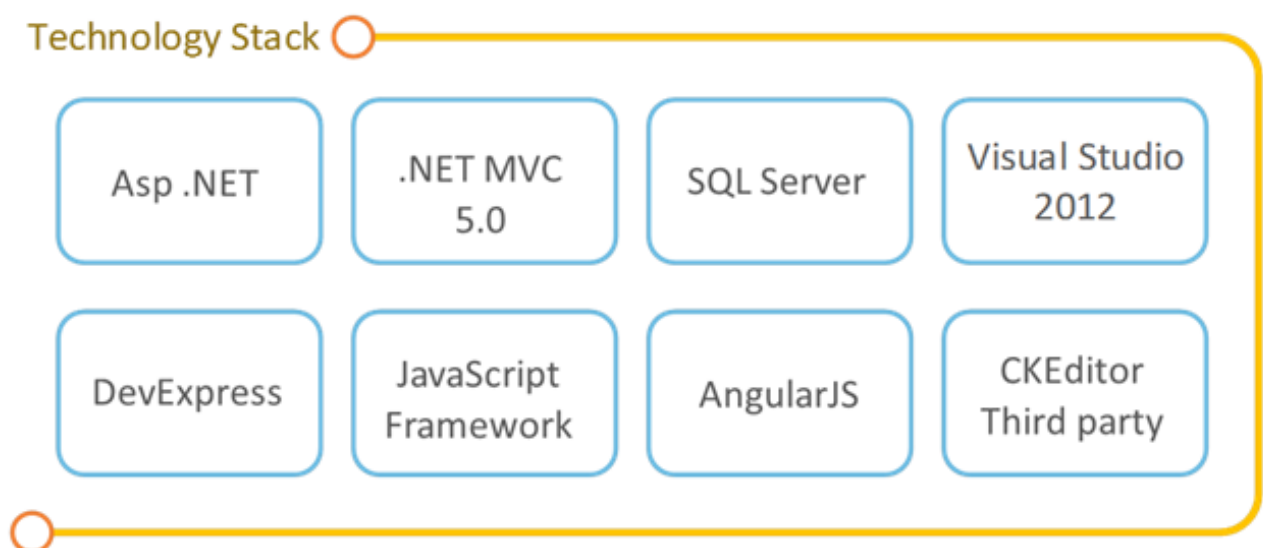
### **Project methodology and execution**

The project consisted onsite team and offsite team which included Project Manager, System Architect, ASP.Net MVC Developers, Project Coordinator, UI Developer and Tester.

The team employed Agile SCRUM methodology for project development to discuss frequent updates and changes. Daily stand-up meetings and two week sprint cycle was followed by the team to discuss reviews and submit retrospective to the client at the end of every sprint.

This methodology ensured smooth functioning of the project and delivery of the site within the timeline. After deeply understanding the statement of work, the team proposed Agile methodology for project execution. The team performed security testing and performance testing achieving 80% code coverage using automated unit testing. Visual Studio was used for dealing with project requirements, change management and continuous delivery.

### *Technology stack*



## Benefits

- The application developed by e-Zest provided automation of Information Management System. This simplified the document management process saving a lot of time and cost for client.
- The application has made information sharing very simple for various country coordinators enabling timely response and preparedness.
- The extra features such as report generation, track changes and commenting functionality gave insights on the number of users and information sharing on a specific time frame also made collaboration easier which was very tedious earlier.

## Conclusion

e-Zest successfully executed the portal creating a unified site for accessing information coming from various countries and users thought a single application simplifying the information sharing process which fulfilled all the business objectives of the client. This application has positively impacted the client's organizational processes by implementing automated workflows.

e-Zest successfully implemented and enhanced the communication platform that achieves all the key priorities defined by the client. While our services have brought our client delight, this project has made us win client's long-lasting trust and relationship.

e-Zest's Agile approach for fast and successful project delivery not only led to client satisfaction but also resulted in long term engagement with the client.