

Paperless E-Exhibits

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This project aims to eliminate the use of brochures in exhibitions around Singapore. The proposed solution is a web application for exhibitors to upload their company's information and advertisements and a mobile application for visitors to retrieve these content.

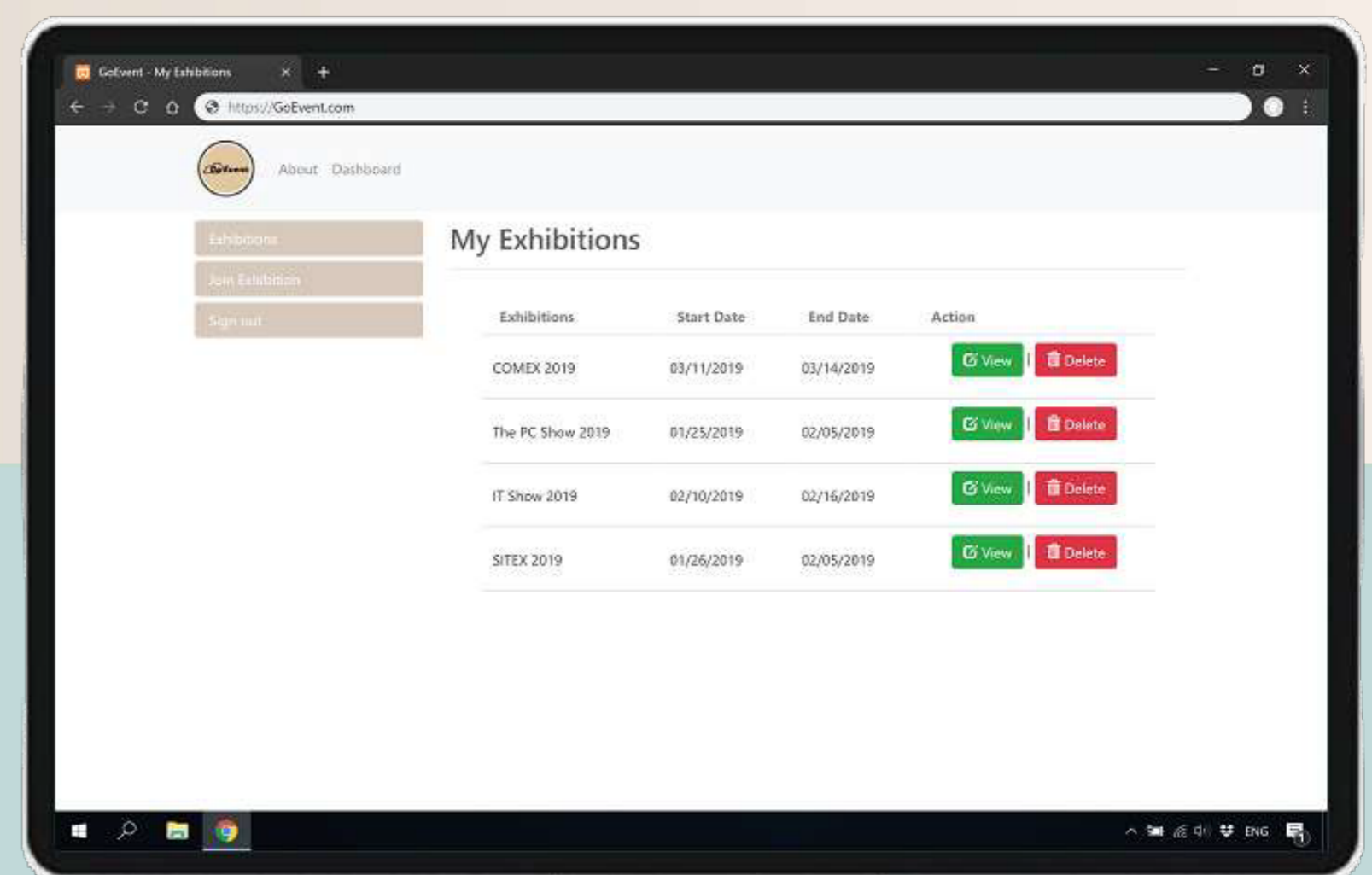
Technologies Used

Vuforia Augmented Reality SDK, Ultrasound Algorithm and Vuforia Web Services API.

Features

With this web application, exhibitors can:

- Create, view and delete exhibition entries
- Upload and delete image targets
- Upload, download and delete videos



With this mobile application, visitors can:

- Retrieve content using Image Recognition
- Retrieve content using Ultrasound Recognition
- Save advertisements to the user's Favourites for further viewing

The Ultrasound Algorithm integrated in the web application embeds the videos uploaded by the exhibitors with an ultrasound audio. Exhibitors can download the embedded videos and display them during the exhibitions for the visitors to detect using Ultrasound Recognition.

The Vuforia Web Services API integrated in the web application uploads the image targets uploaded by the exhibitors to Vuforia Cloud Database. Exhibitors can print out the image targets as posters for the visitors to detect using Image Recognition.