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TECHNOLOGIES

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Voice Reader

Background

The Client wanted to create a Voice Reader platform for users to provide them the ability to listen and where they can also add comments. The client approached us to develop a platform which had different voices, high resolution displays with a document editor. The document can be of any extension and can also be played offline. An extensive web portal plus cross platform mobile apps were required as part of the solution.

Solution

The GCT team found this project very interesting and challenging since this involved considerable research into the available technologies and frameworks and their limitations. The Key features of the project have been:

1. Account Authentication
    -   User registration
    -   User Account and Payment management

2. Document Repository
    -   Upload document in any format like pdf, word, text, URL links etc.
    -   View previous document and listen them offline

3. Transformation of Textual Files to audio reader synced with multiple voices

4. High Quality display of Document

5. Content Editor to add comments on the document.

On the **technical front**, the Responsive web designed portal is developed in C# 4.5, MVC 4.5, JQuery, JavaScript with Microsoft SQL Server 2008 for database.

The Hybrid application uses the Xamarin framework with SQLite Server 2008.

A number of third party Third Party services have been integrated into the application including Neospeech, PDF Tron and Stripe Payment Gateway.

Results

1. The Voice Reader app is in the final stages of development and the client has been working with the beta users on incorporating their feedback and suggestions in the final version.

2. The client will be launching the app in an upcoming major tech conference.