

# CASE STUDY

## Tax cut

**VIEW POINT** : Software Vendor  
**SERVICES** : Tax(Personnel) -- Individual  
**TECHNOLOGIES** : Asp.Net, C#, C++, Java Scripts, SQL Server

### BUSINESS PROBLEM :

Income tax filing is one of the major obstacles for individuals in USA. Our client, one of the major player in USA in Tax filing and Mortgage approached us for maintaining and enhancing their state of art client side application. The said application is governed by Tax criteria related to respective State DOR (Department of Revenue) and IRS (Internal Revenue Service). The tax criteria logic needs to be changed in the application every year, based on the State DOR and IRS tax criteria changes. Apart from that, according to the newer technology norms, the State DOR tax forms will be having 2D Barcode data which needs to be mapped to the application for accurate and faster processing of taxes. The application supported 42 US states under it preview and our clients vision was to extend it to states which are yet to be covered under it purview.

### SOLUTION IMPLEMENTATION:

The governed product is built on ASP.Net, C#, C++ as the primary technology supporting versatile OS platforms of all Windows versions and Apple MAC. We enhanced and suggested solution to their architecture so that, the application can be made robust and the changes with respect to State DOR can be implemented easily. We also studied the Tax laws/Tax criteria of three additional states and implemented the solution to add it with their present purview of states. We as well implemented the logic for 2D Barcode data reading and mapping the data to the application. The modus operand for each of the states was run through DLL (Dynamic Link Library) and our expertise to write DLLs enhanced the application to perform faster.

### DEVELOPMENT AND RESULTS:

The product worked as per the expected benchmark set by our client and we were able to roll out one application with all the changes on the State DOR/IRS tax criteria, including the three additional states.

