



thinkinno

technologies pvt. ltd.

Capability Deck & Projects

Domain	Custom Projects	Faster Implementation	Value Addition
<ul style="list-style-type: none"> • Highly proficient in financed based projects • Our Domain expertise enable us to suggest better solutions and execute the same technically 	<ul style="list-style-type: none"> • Competitive Analysis • Forecasting • Interest Rate Risk Management • Wealth Management • Mutual Fund Platform • Taxation and e-Filing • Traffic Video Analytics • Data Analytics & Visualizations through custom Dashboards • Custom Excel Ribbons • Strategic Planning and Execution • Loan Management Tracking • Order Management Apps 	<ul style="list-style-type: none"> • Through our Domain Expertise and Technical Experience. • Through our development Processes, Quality Control and First Time Right approach. • Through our overall project execution approach and delivery mechanism. 	<ul style="list-style-type: none"> • Our proactive approach towards problem possibilities ensure the smooth running of applications. • Our suggestive approach enables our partner's to become aware of the possibilities and enhance their product/services effectively.

- Ready Template**
 - Our framework in excel with ready input mapping and output mapping enable us to tweak as per the requirement for faster usage.
- Ready Framework**
 - Our ready framework lead to configure the changes as per the requirement for faster development.
- Ready Dashboard**
 - We have the ready query parameters that are evolved over a period, showcasing the key performance indicators for review and know how.
- Ready Reports**
 - The variety of reports as per the output mappings enables us to create the reports faster.

Challenges for Implementation Team

Lack of Domain Knowledge	Lack of source systems knowledge
Inadequate mapping of input and outputs	Lack of data sources know how
Inadequate File Specifications & Inadequate validations	Improper Data specifications & Inadequate validations
Lack of test cases and expected inputs/outputs	Prolonged Implementation timeline

Impact on End Users

Prolonged Implementation timeline	Staggered Users Acceptance Testing
Inadequate Reports / Output	Slower decision making
Delay in information leading High Risk	Loss in Business

Our understanding towards challenges and solution approach enables successful & faster overall execution.

Solution Overview

- Competitive Analysis is that part of Banking Tool which helps bankers perform competitive analysis with customizable peer groups. It provide various reports and tools that help them know their strengths/opportunities vis-à-vis the set competitors.
- Bankers can use it to streamline their peer analysis and gain competitive insights that can be incorporated into planning process.
- It also helps the banks to get the insights needed to improve performance and satisfy examiner requirements for peer comparisons.

Challenges / Business Problem

- Build product with features like:
- Competitive Analysis of a Bank and its peers based on key financial ratios.
 - Point and click to select competitor banks or build your own customizable peer groups.
 - Key performance metrics for all banks in the country at fingertips.
 - Pinpoint Best-in-Class performance comparing bank and top competitors.
 - Growth analysis over a range of time periods.
 - State ranking reports for ROE, ROA, Efficiency Ratio, NIM, and other key measures that gives the standing of a bank in its own state.
 - Drag-and-drop custom report packets for Board, Regulators, and Executive Team.
 - Merger Analysis to help make best decisions for the bank's future. Merge a bank with any other bank in the country, test out opportunities and see how the combined organization stacks up against competition.

Overview

Client & Users

Region : USA
Industry : Banking

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 7

Technology

Dev Tools

- MS Visual Studio 2013, 2005
- MS SQL Server 2005
- .NET Framework 4.5, 2.0
- ABC PDF .NET
- Chart Director
- Crystal Report
- MS FxCop
- MS Access
- MS Excel
- MS Word
- MS Project

Solution Overview

- Forecasting module is that part of Banking Tool that uses call report data, built-in modeling features, and forecasted rate information, automatically creates a 3-year projection for any bank.
- It gives instant access to a 3-year forecast and automatic quarterly updates along continuous rolling view of performance trends.
- It also gives various reports and tools that help them know the strengths and opportunities and set and plan goals.

Challenges / Business Problem

Build product with features like:

- A 3-year financial projection with automatic quarterly updates.
- Access to an executive-level forecast to work from, giving bankers time to focus on analyzing and fine-tuning their plan rather than building it.
- Streamlined editing features for varying time periods to easily alter forecast as conditions change and Instantly see the impact on bottom-line as you evaluate alternative 'what-if?' tactics.
- Save as many scenarios as you like, graphically see how they compare, then determine your best course of action. Record assumptions and action plans for quick future reference.
- Risk Analysis reports for liquidity, contingency funding, future capital adequacy and ALLL needs under stressed conditions.
- Flexible Reporting Options- Drop down menus offer views of alternative time periods, custom report packages in PDF and excel, 20 qtr historical and 12 quarter forecast data.

Overview

Client & Users

Region : USA
Industry : Banking

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 7

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2015
- .NET Framework 4.5, 2.0
- ABC PDF .NET
- Chart Director
- Crystal Report
- MS FxCop
- MS Access
- MS Excel
- MS Word
- MS Project

Solution Overview

- Risk Analysis is that part of Banking Tool which gives a complete Interest Rate Risk profile of any bank.
- Narrative summaries and visuals make it easy to confidently communicate a bank's risk position.
- Bankers can cut through complexity, save time, and get the information needed for Board, ALCO and examiners.

Challenges / Business Problem

- Build product with features like:
- Ability to do interest rate risk analysis and submit a risk report to the examiners of the bank.
 - Completely customizable assumptions to fine tune bank's data.
 - Current cash flow, maturity and re-pricing information in Gap Report.
 - Simulation of the new interest margin under varying interest rate conditions.
 - Incorporate the most modern techniques to evaluate the resilience of the bank's structure, and report its Economic Value of Equity (EVE) risk estimate in clear, transparent terms.
 - Back checking to validate the results of the Rate Shock method.
 - Performance Forecast to provide a more meaningful report of the potential changes to the bottom line, four quarters from the current quarter.

Overview

Client & Users

- Region : USA
- Industry : Banking
- Total Users : 800+

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 7

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2015
- .NET Framework 4.5, 2.0
- ABC PDF .NET
- Chart Director
- Crystal Report
- MS FxCop
- MS Access
- MS Excel
- MS Word
- MS Project

Solution Overview

- Executive Dashboard is a web based reporting interface for a desktop based application.
- The data in the Dashboard is imported from database of desktop application in a real time basis and instantly present the data into meaningful information for to the board.
- The Reports on the Web are available on Desktops, Laptops, Tablets, and exportable to Excel and PDF.

Challenges / Business Problem

Build product with features like:

- Ability to import data from client-server desktop applications to Web Interface Dashboard.
- Instant availability of various reports for analysis.
- All the reports are made exportable to Excel and PDF.
- The reports consist of meaningful ratios and financial statements of various time periods.
- The reports are generated at branch level and also at holding company level.

Overview

Client & Users

- Region : USA
- Industry : Banking
- Total Users : 150+

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 4

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2015
- .NET Framework 4.5, 2.0
- ABC PDF .NET
- Chart Director
- Crystal Report
- MS FxCop
- MS Access
- MS Excel
- MS Word
- MS Project

Solution Overview

- Excel Ribbon is an add-in especially developed for analysis of bank data, it enables users to extract various reports into multiple sheets of a single workbook.
- The customized query pads allow users to pull data in a variety of formats.
- It allow users to create custom ratios and extract the data as per the user defined ratios in a desired format.
- Ability to upgrade to a newer version automatically whenever a newer version is available.

Challenges / Business Problem

- Build product with features like:
- Ability to sign in as a valid user and access banks data.
 - Import data from a cloud server into various sheets of a single workbook.
 - Generate performance ratios, Balance Sheet and Income Statement for Quarterly, Year-to-Date (YTD) and Annual periods.
 - Ability to select 100+ ratios and 100+ line items of data for Yearly, Quarterly and YTD periods of last 15 years data and print it on the sheet.
 - Extract data for one or more banks for a single or multiple periods.
 - Ability to extract data and report from the list of predefined ratios and a facility to create user defined ratios for various analysis.
 - Ability to refresh the data in one or all the sheets as per the criteria.

Overview

Client & Users

- Region : USA
- Industry : Banking

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 7

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2015
- .NET Framework 4.5, 2.0
- ABC PDF .NET
- Chart Director
- Crystal Report
- MS FxCop
- MS Access
- MS Excel
- MS Word
- MS Project

Solution Overview

- 6500+ Bankers Data is required to be updated for 500+ line items at a frequency of Quarterly, Daily, On Demand basis
- The application is required to re-update the data that is updated at the source on a daily basis.
- Methodology
 - Download the Data
 - Validate the Files
 - Read the Raw Data
 - Convert the data from Year-to-Date (YTD) format to Quarterly
 - Migrate the data to main database.
 - Generate post data migration operations
 - Validate the overall data

Challenges / Business Problem

Build product with features like:

- Ability to download the data at a frequency of daily, quarterly, ad-hoc & manually.
- Import 6500+ data file.
- Validate the file & generate a log.
- Extract 500+ line items from the raw data.
- Convert the data from YTD to Quarterly.
- Migrate the data.
- Validate the overall data and generate a status report.
- Perform post update operations.

Overview

Client & Users

- Region : USA
- Industry : Banking

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 3

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2015
- .NET Framework 4.5
- LINQ
- WCF - Windows Communication Foundation
- MS FxCop
- MS Excel
- MS Word
- MS Project

Solution Overview

- The solution is SAAS (Solution as a service) based.
- It enable users to manage personal details, family details, assets, liabilities, discharge of the loans and bequeath of the assets and will generation in a desired format/templates.
- It is operated by intermediate users as financial planner/advisors with additional access of ability to view/edit the will of their clients as per the permission granted by their client.
- An admin user with central control can manage content of the will, intermediate users/agents, pricing of intermediate agents with a facility to manage / grant token to the intermediate financial planners.
- Multiple reports in admin panel as well as on going reports are emailed to the support team to keep them updated with the all the happenings in the application.

Challenges / Business Problem

- Build product with features like:
- Enables a user to subscribe a service of will generation.
 - Facility to note personal details, family details, assets, liabilities, discharge of the loans and bequeath of the assets.
 - Generate a will draft & final will.
 - Mange exceptions in case of validation and authentication issue.
 - Facility of role based login for admin user, intermediate user with/out edit right and user as will owner.
 - Ability to create an intermediate user as financial planner with additional rights of ability to view/edit the will of their clients.
 - Ability to manage / grant token to the intermediate financial planners.
 - Trace and raise alerts / exceptions based on the information added by the user.

Overview

Client & Users

Region : India
Industry : Banking

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 5

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2012
- .NET Framework 4.5
- MS FxCop
- MS Excel
- MS Word
- MS Project
- PDF Tool

Solution Overview

- A desktop based application.
- Enable users to select a video traffic video, perform analysis and reports about the vehicles in the video.
- A facility to manually count a vehicle by pressing pre-defined keys.
- Generate reports with a count of vehicles, identified and unidentified vehicles, total vehicles, frame-wise count, average vehicles of various types in a defined time frame, and exceptions report etc.

Challenges / Business Problem

- Build product with features like:
- Analyze a video of any format.
 - Ability to configure vehicles types for which the analysis should be performed.
 - Provide a count of vehicles of every vehicle type configured in the system.
 - Provide the overall total count, most frequent vehicles, least frequent vehicles.
 - Maintain a log and generate a log a detailed log of every analysis performed.
 - Ability to pause/play/rewind/forward a video.
 - Ability to configure keys for each vehicle types for manual counting.
 - Ability to select a video of various formats like .avi, .mts, .mpg and mp4.

Overview

Client & Users

- Region : India
- Industry : Construction

Project Overview

- Schedule : 3-4 weeks Sprint – iterative method
- Team Size : 3

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2012
- .NET Framework 4.5
- MS FxCop
- MS Excel
- MS Word

Solution Overview

- The solution is SAAS (Solution as a service) based.
- It enable users to manage personal details, Income details, Investment details.
- It enables users to process online tax filing request.
- An admin user with central control can manage content of the will, intermediate users/financial advisor.
- Multiple reports in admin panel as well as on going reports are emailed to the support team to keep them updated with the all the happenings in the application.

Challenges / Business Problem

Build product with features like:

- Enables a user to subscribe a service of Tax Filing.
- Facility to add personal details, income details and Investment details.
- Request for tax filing and view the tax filing status
- Get the advise from the financial advisor.
- Facility of role based login for admin user, Financial advisor user with/out edit right and user as individual.
- Generate various reports with a facility to export to Excel / PDF.

Overview

Client & Users

Region : India

Project Overview

- Schedule : 8-10 weeks Sprint – iterative method
- Team Size : 3

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2012
- .NET Framework 4.5
- MS FxCop
- MS Excel
- MS Word
- MS Project
- PDF Tool
- Payment Gateway

Solution Overview

- A native mobile app to enable users to register as a realty broker.
- It enables an admin user to create and maintain property details.
- It enables an admin to notify brokers about the new/change in the property.
- An admin user will main the users and its data.
- A facility in an app to view the notifications from the admin.
- A facility in an app to search properties and share with leads
- A facility in an app to manage leads
- A facility in an app to enter the entire profile consisting of 65+ fields.

Challenges / Business Problem

- Build product with features like:
- Enable a broker to register as broker.
- Enable broker to complete profile and remind to complete the profile.
- Admin should be able to notify whenever there is any change in the property details.
- An app should be developed for for iOS and Android
- Data Migration of the existing brokers.
- Generate various reports with a facility to export to Excel / PDF.

Overview

Client & Users

Region : India
Industry : Realty

Project Overview

- Schedule : 8-12 weeks Sprint – iterative method
- Team Size : 5

Solution Include

Six Projects

- iOS app for Brokers
- Android app for Brokers
- Web Admin area for Brokers

- iOS app for employees
- Android app for employees
- Web Admin area for employees

Solution Overview

- The solution is SAAS (Solution as a service) based.
- It enable users to manage Vision, Mission, Core Values.
- It enables users to perform and note SWOT analysis.
- It enables users to determine Objective, its measures and initiatives with a defined start and end dates
- It enables users to create/add/maintain users and assign the objectives and initiatives.
- It enables app to remind / email users for their upcoming objectives and initiatives
- It enables users to benchmark, monitor and track results

Challenges / Business Problem

Build product with features like:

- Determine the strategic direction and strategic focus of a company.
- Determine SWOT
- Create and maintain objective in relation to SWOT
- Ability to Perform Market Analytics.
- Gather, Download and Analyze the State / County / Zip Code and Census Tract level Demographic data like Income, Age, Household etc
- Plot various demographic data on the map for various visualization and analysis purpose.
- Generate various reports with a facility to export to Excel / PDF.

Overview

Client & Users

- Region : USA
- Industry : Banking

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Team Size : 3

Technology

Dev Tools

- MS Visual Studio 2013
- MS SQL Server 2014
- .NET Framework 2.0 & 4.5
- MS FxCop
- MS Excel
- MS Word
- MS Project
- PDF Tool
- Google Maps

Solution Overview

- The solution is SAAS (Solution as a service) based.
- It enable users to manage Loan Applications.
- It enables users to assign a loan application and its stages to multiple team members.
- It enables users to monitor a loan application and its progress at each stage.
- It enables users to create/add/maintain users and assign location application across various branches.
- It enables the executive to enter and track an application stage on a daily basis.
- The dashboard gives a quick snapshot of the how many applications are at which stage across the branches.

Challenges / Business Problem

Build project with features like:

- Add a lead and assign an entire workflow of the loan application process.
- Ability to view a dashboard with vital information like #Loan Applications in Process, #Loan application at various stages, #Employee-wise Stage-wise Loan application count
- Generate an MCLR mismatch report.
- Send auto emails to applicants at various stages of the loan processing, and reminders on the EMI dates etc
- Generate various MIS reports to determine the bottle necks in the loan processing.
- Monitor a TAT of an application – executive-wise stage-wise
- Generate various reports with a facility to export to Excel / PDF.

Overview

Client & Users

- Region : India
- Industry : Financial Services

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Duration : 3 months
- Team Size : 5

Technology

Dev Tools

- MS Visual Studio 2015
- MS SQL Server 2014
- .NET Framework 4.5
- MS FxCop
- MS Excel
- MS Word
- MS Project
- PDF Tool
- MVC
- Bootstrap

Solution Overview

- The solution is SAAS (Solution as a service) based.
- It enable to create users to manage Franchise, view orders, and overall data management.
- It enables franchises to generate orders to the manufacturing unit. View / Edit / Track the status of the orders. Enter sales and set re-order level and execute automatic purchase order.
- It enables manufacturing units to view the orders received from the franchises and execute orders.
- It enables admin users to maintain the overall data and generate the various reports.
- The dashboard gives a quick snapshot of the how many orders are at which stage from all the franchises as well as gives the sales numbers.

Challenges / Business Problem

- Build project with features like:
- Ability to manage franchise.
 - Order Management Capabilities and Order Execution and Tracking Capabilities.
 - Track the sales of each and every franchise.
 - Set re-order level and auto-ordering facility.
 - Generate various MIS reports to determine the bottle necks in the loan processing.
 - Generate various reports with a facility to export to Excel / PDF.

Overview

Client & Users

- Region : India
- Industry : Food and Hospitality

Project Overview

- Schedule : 2-4 weeks Sprint – iterative method
- Duration : 3 months
- Team Size : 5

Technology

- Dev Tools
- MS Visual Studio 2015
 - MS SQL Server 2014
 - .NET Framework 4.5
 - MS FxCop
 - MS Excel
 - MS Word
 - MS Project
 - PDF Tool
 - MVC
 - Bootstrap

PROJECTS



- Competitive Analysis
- Forecasting
- Interest Rate Risk Management
- Executive Dashboard
- Data Analytics & Visualizations Dashboards
- Custom Excel Ribbons
- Strategy – Planning, Execution & Monitoring
- Project Monitoring and Tracking System



- Kotak Mahindra Bank – Will Management & Integration
- HDFC – Mobile App & Back office App
- Traffic Video Analytics
- Loan Management System
- Meals – Order Management System
- Franchise Management System

Manual Functional Testing

Test Cases Creation and Execution

Automated Data Testing - Using SQL Scripts

Black Box Testing

White Box Testing

User Interface & Usability Testing

Key Roles



Service & Expertise

Financed Based Custom Application Development

Data Analytics, Mining, Validation & Migration

Data Visualization & Reporting

Web/Desktop - Custom Business Application Development

Application Manual Testing Services and Automated Data Testing

Office Automation (Excel integration with Cloud/Services/Servers)

Video Analytics – Object finding, counting, filtering, traffic analysis

E-Commerce Solutions, Facebook Apps

Mobile Applications (Native, Hybrid & Cross Platform)

Thank You

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