Handling BlueBerryIT's

Client Xero Invoice process

BlueBerry

Technology on your terms

# Automating Xero Invoices

## 1 Background

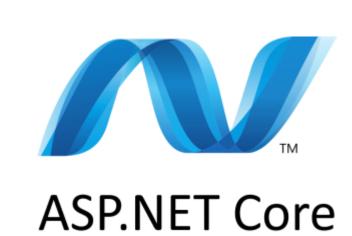
- BluberryIT is a medium sized IT Company with offices in the nelson and Marlborough regions.
- BlueBerryIT primarily focus is providing services to handling the planning, deployment and maintenance of a clients IT setup
- Part of this service is distributing a range of Microsoft Licences for use others' systems
- Currently, BlueberryIT are sent a monthly invoice representing licence purchases and the client associated with the purchase
- An employee is required to manually submit invoice entries into their Xero accounting system.
- This is a painstaking process and can take numerous hours to complete

# My Role

- My role has been to create a web application which BlueBerryIT which can be used to automate the processing of Cloud Service Provider Invoice information to Xero.
- Ideally the Web Application will be hosted on BlueBerryIT's Azure Cloud server instance
- I was Primarily working independently as BlueBerryIT Does not have in-house software developers (The task was planned to be outsourced initially)

3

## Core Technologies



- Web framework used to power the application
- MVC architecture was implemented to handle logic operations and produce views containing dynamic data
- Suitable for BlueberrylT's Windows-Based ecosystem



This application interface was used

- \* establishing a connection to xero
- \* performing a login to xero to produce an access token
- \* Sending invoices
- \* Producing responses to erroneous invoice entries

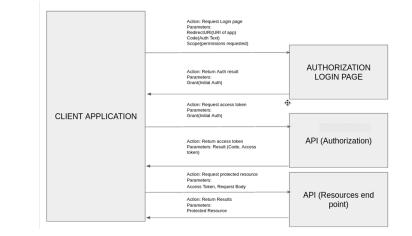


This application interface was used in

\* Downloading the most recent monthly invoice collection



Authentication protocol used by Xero API to authenticate third party access.

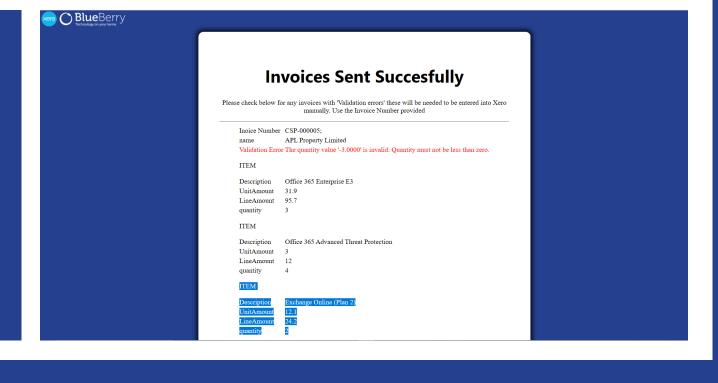


4

### Client Interface







#### 5

#### Results

- Overall, I was happy with the system I produced. It serves it's purpose well.
- Most bugs have been resolved and it seems to handle concurrent access without any apparent issues
- This application will save BlueBerryIT many Employee hours which could be better spent performing tasks of more value if they choose to use this
- I learnt an extensive amount regarding the technologies at play here my only regret being that I took them up an I simultaneous fashion as opposed to sequential. A narrower focus could have yielded more effective learning. Most of these technologies are highly industry relevant so I feel this will give me an advantage going forward.

Please ask me anything you like about my project placement,

And I will do my best to provide answers.

Bryce Rowe Bachelor Of Information Technology

Supervisor Lars Dam



