

RECOGNITION OF PRIOR LEARNING APPLICATION - 2018

This document is required to be completed for all Recognition of Prior Learning (RPL) Application types and must be attached to the online application form under the RPL tab in PDF format.

In this document there are two sections that all applicants must complete

- [The Key Areas of Knowledge – Section 1](#)
- [The Project Report Forms – Section 2](#)

RPL applications are for those applicants who do **not** hold a recognised tertiary ICT qualification and who have a minimum of 6 years of closely related experience. Please refer to the [Summary of Criteria](#) for further information.

This document provides the opportunity for applicants to demonstrate knowledge learnt throughout their professional experience.

Applicant Name	DEVELOPER PROGRAMER
Application ID (if known)	
Applicant Date of Birth	

SECTION 1 – KEY AREAS OF KNOWLEDGE

INFORMATION ABOUT THE AREAS OF KNOWLEDGE

Please read the following document to assist you in completing Section 1 of this document - [The ACS Core Body of Knowledge for ICT Professionals \(CBOK\)](#)

Applicants must detail the relationship between the selected Areas of Knowledge and their learning from their experience and qualifications. This section of the RPL application needs to be specific as to how and where the applicant has acquired the knowledge.

The ICT Key Areas of Knowledge:

Essential Core ICT Knowledge

- Topic 1. ICT Professional Knowledge
 - Sub Topics are -
 - a. Ethics
 - b. Professional Expectations
 - c. Teamwork Concepts and Issues
 - d. Communication
 - e. Societal Issues

- Topic 2. ICT Problem Solving
 - Sub Topics are -
 - a. Modelling Methods
 - b. Processes to understand problems
 - c. Methods and tools for handling abstraction

General ICT Knowledge

Topic 3. Technology Resources

Sub Topics are -

- a. Hardware and Software Fundamentals
- b. Data and Information Management
- c. Data Communications and Networking

Topic 4. Technology Building

Sub Topics are -

- a. Human Factors
- b. Programming
- c. Information Systems Development and Acquisition

Topic 5. ICT Management

Sub Topics are -

- a. IT Governance and Organisational Issues
- b. IT Project Management
- c. ICT Service Management
- d. Security Management

You are required to select one topic from the Essential Core ICT Knowledge (Topic 1 or Topic 2) and one topic from the General ICT Knowledge (Topic 3, Topic 4 or Topic 5). Please ensure you address at least 2 subtopics from each of the topics chosen. In the following expandable typing areas, explain **how you have acquired your in-depth knowledge** in these topic areas through your professional experience.

Important:

- Identify the Area of Knowledge topic that you have chosen to explain by entering the name of the Area of Knowledge topic in the box.
- Explain, in the expandable typing area, how you have acquired the knowledge and illustrate the depth of that knowledge.
- You should **NOT** address all sub topics included in the Area of Knowledge in your explanation. Address at least **TWO** of the sub topics. Enter the sub topic name(s) in the box.
- Be clear and concise in your explanation.
- Limit each explanation to no more than one to one and a half pages.

Essential Core ICT Area of Knowledge:

Topic 1. ICT Professional Knowledge (PK)

PK1. Teamwork Concepts and Issues

PK2. Communication

How have you acquired this knowledge in your working environment? Illustrate your depth of knowledge.

PK1. Teamwork Concepts and Issues

Myself being a Software Developer & Application Developer, foremost part of my job is working for a project as a team. In my tenure as Developer Programmer I have worked on plentiful application development and have been dealing with team colleagues from multiple company departments.

I strictly adhere to below work principles. These have always provided me with eternal success

- I perfectly understand my position/standing in the project team and comprehend with the shared goal.
- I recognize the fact that project team members must have identical goal.

- I permanently appreciate steady communication with individuals having likewise interest.
- I sturdily trust team-work at all times concludes positive outcome.

I feel contented when working as part of the project team with my team colleagues even in case when I am the lead developer programmer of the project. Team members are the prime point of this position and working with multiple associates from diverse departments is also a challenging job. Usually departments setup units for performing dedicated jobs. When working with people from multiple department the problem is that everyone has different approach for solving the issues. Their angle of establishing solution is different. As a team lead developer programmer, I have learned how to be flexible enough to understand the thinking angles of multiple people and how to have seamless communication with them to have proper solution for issues and snags. I have been managing teams of 15 to 20 people and have solved multiple communication error issues during problem handling. I am well known in my companies where I have served as a lead programmer.

PK2. Communication

Communication is constantly substantial in all walks of life. It's very needful to have proper communication in Information Technology industry. The reason is that when start a project we need to have solid communication with client for their needs, empathizing with them for their new application. I believe that healthy communication solves all the snags and glitches.

As a profound developer programmer, I have gained expertise in communication skills. I have been training the clients and project associates. This duty is perfectly performed by me in my company.

Currently I have been accountable for project documentation, end user training and for entire communication amid company and the client.

General ICT Area of Knowledge:

Topic 1. ICT Management (IM)

Sub Topics are -

- IT Project Management
- Security Management

How have you acquired this knowledge in your working environment? Illustrate your depth of knowledge.

IT Project Management

It's been over a decade since I have been working on developing multiple projects. I believe that project management is the initial need to drive Information Technology projects. I manage the project in such a way that its completed within the desired timeline set by the client and I fully understand the scope of the project on which I am working. I have learnt all the management skills like scope management, human resource, communication, risk and procurement management.

To develop projects efficaciously I have been training for all the components of project management for successful project completion.

Security Management

How have you acquired this knowledge in your working environment?

I learnt security management when I was studying and especially during professional working environment. Security management is most important in software development business. I have studied

database security during my Oracle training session.

Application of learnt knowledge of Security Management in working milieu

- Guard software from unofficial admittance by tapping login-windows.
- Role grounded admittance sturdily effected.
- Guarantee website safety from hackers.
- Store delicate data in best encrypted format.
- Made client computer limited to use only the software.
- Applied steady check over the internet execution.
- Implemented strong accountability on data movement through external drives.
- Implemented usage of best antivirus for protection.

My assimilated knowledge in System Development and Attainment

- Knowing basics of Information Security
- Mechanism for Access Control System
- Cookies Management
- Session Management
- SSL Management
- Error free Data Communications
- Less usage of hardware access through USB or other media

I learned security management during my studies & professional experience by applying security techniques in software as well as on hardware. I have studied Data Base Security during my Oracle training. I have also studied Risk Analysis & International standards for Information & Data Security. I am lively associate of a lot of security forums.

I have applied security techniques in my professional project management and have gotten successful results. I have also studied the analysis of risks involved in the projects. I am part of multiple security forums and have been interacting numerous professionals from same thoughts.

SECTION 2 - RPL PROJECT REPORTS

A project report is a coherent written description of a project or engagement that provides you with the opportunity to show how you perform as an ICT Professional. Each report is to relate to a significant project or work episode undertaken by you during your professional career.

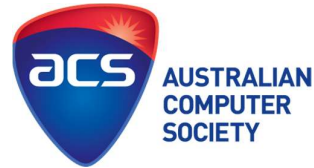
The purpose of these reports is to enable you to demonstrate your command and implementation of the Areas of Knowledge described in Section 1 of this application.

Please note: You are required to provide two project reports.

Of the two reports, one must pertain to a project undertaken within the last three years, and the other for a project within the last five years.

Projects over two years long may be used for both reports under either of the following conditions:

- **The project has clearly-defined work efforts which took place in parallel, each with their own solution development and design activities and their own deliverables.**
- **The project had clearly-defined phases that were executed in succession, each with its own solution development and design activities and deliverables. Note that a second project phase that constructs and implements the solution developed by the first phase does not meet this requirement.**



Depending on the nature of your role in each project, the Project Report should cover an appropriate selection of factors. Appropriate factors will be determined based on the type of ICT project selected. Possible factors include:

- System Analysis and Design and Software Engineering methodologies used;
- Contribution to the processes involved in the design and implementation of enterprise-wide computing systems;
- Programming languages, design paradigms and implementation procedures adopted;
- Database and/or file design and management techniques employed;
- Network topologies, including size, distribution and security facilities installed;
- Project Management and quality assurance techniques followed;
- Internet application design, including database interactivity and security measures implemented;
- ICT managerial activities, demonstrating the nature and extent of responsibilities

Project Summary:			
	Project Name	Start Date	End Date
Project 1	Supermarket Management System	mm/yy	mm/yy
Project 2	Job Portal Management System	mm/yy	mm/yy

Instructions

The following pages provide a template for your reports.

When writing your reports please provide your own thoughts – do not just copy project documentation.

Please use the first person in your discussion, so it is clear to the assessor what you did versus what others did – say “I did X” rather than “X was done”.

Diagrams from the project documentation may be helpful, but the text should be in your own words. Please ensure that diagrams are relevant, readable, and help the assessor to understand what you did as a member of the project team.

If sections of the Project Report template (see below) are not relevant to your participation in the project, then leave the section blank.

Focus on quality rather than quantity. **Each Project Report should be no more than four or five pages in length.**

SPECIAL NOTE:

By submitting this RPL Knowledge and Project Report form as a component of your ACS skills assessment application, you agree with the following statement:

The applicant confirms that the explanation of their knowledge and project reports submitted in this application truthfully and accurately describe the applicant and the applicant’s personal involvement in the projects. The applicant is aware that plagiarism by the applicant will automatically invalidate this application, will jeopardise any future applications from the applicant and will be reported by the Australian Computer Society to the Australian Department of Immigration and Border Protection.

Project 1: Supermarket Management System

1. Project Summary

1.1. Identification

Client's Company Name	Legal Name of Entity	
Business Address	Street Address Suburb State Postcode Country	
Contact Numbers	Tel: Telephone (include country and area code)	
Web Address	Web address	
Email Address	General email address	
Nature of project		
Location of project		
Name of your employer		

1.2. Duration

	From	To
Total project duration	mm/yy	mm/yy
Your involvement	mm/yy	mm/yy

1.3. Resources

	Number
Your team size	
Total project team size	

1.4. Personal Involvement

Please list the phases of the project in which you were personally involved

Start	Completion	Phase Description
mm/yy	mm/yy	Commencement – Requirement analysis & gathering of needs
mm/yy	mm/yy	Documentation Preparation, Design & Development of Database
mm/yy	mm/yy	Development of Input Data & Output Data
mm/yy	mm/yy	Development of Forms for Management
mm/yy	mm/yy	Software Testing, System Implementation, End User Training

1.5. Describe your role(s) and responsibilities, including the leadership aspects.

This project of Supermarket management system was an application developed to fully systematize the supermarket operations and process management. This online application was organized to be developed for a store having footprints in multiple locations within the country.

Capabilities and Facts used in the Project were:

- Suggested, arranged & achieved software enhancements at each stage by prudently examining all features
- Supported in development & citations of software core needs
- Had prime role in need obligation from project client
- Defining software development methodology, encompassing scope analysis, arrangement, & Execution
- Properly arranged & did coding of the entire software program in line with client needs
- Improved functions of program by writing scripts of programming
- Planned, run & observed project working test
- Carefully monitored project areas for intended enhancement
- Arranged end user training and manual assembly

2. Business Opportunity or Problem

2.1. Describe the business opportunity or problem(s) this project addressed.

This project presented below aims.

- Augment & uphold archives of accessible goods
- Augment & uphold customer particulars
- Augment & uphold portrayal of new goods
- Augment & uphold new arrived class of products
- Reports generation for the client
- Aided in giving a suitable resolution of billing outline
- Easily accessible milieu for users and clients

The project also helped in generating Daily sales, fortnight client reports, weekly product addition report and billing reports.

3. Solution

3.1. Discuss your contribution to the solution, project or engagement.

As team lead I was accountable for the project overall success. I designed and developed all the prime segments of the application along with team. I designed and developed all the forms meant for in-put and out-put as per the major stakeholders need.

Software Implementation & methodological composition was a very serious phase in this situation so that the main team associates can understand the necessities of chief shareholder appropriately and bring a resolution that is passable for the corresponding end-user.

As a Team lead I was accountable for time-line, necessity investigation, advancement of the aforementioned plan.

3.2. Describe any design or problem-solving methods you used on this project.

It was very important to deeply study the current system that was about to be swapped. The entire analysis was needed to be carried out about the hardware, software and resources to be used to realize the project flawlessly. For this instance, I started documentation of the activities of the information-systems.

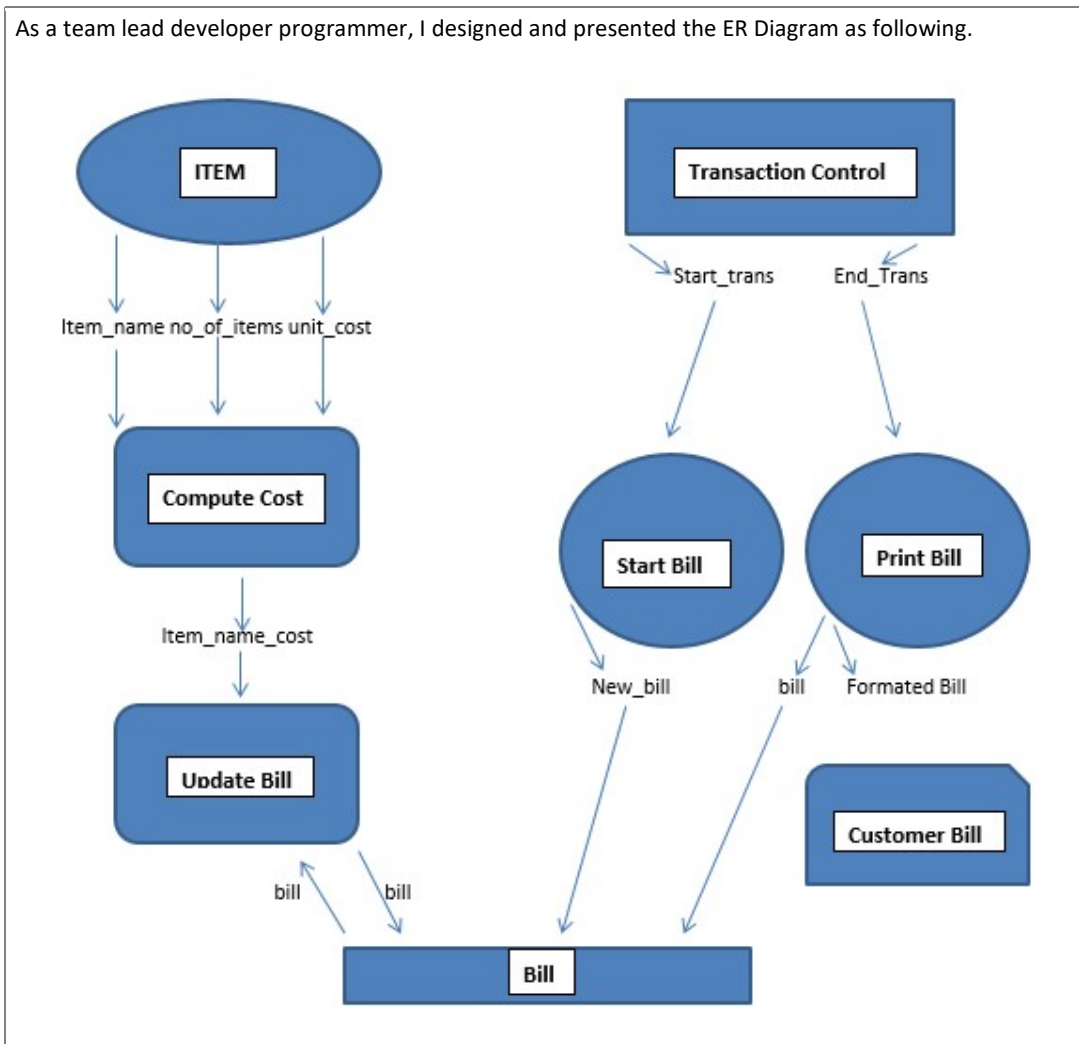
I worked on JAVA as basic coding language and used Microsoft Word for the project organization and execution. For database the team agreed on Microsoft SQL-Server. Also used HTML and ASP.net for this project.

I along with the team first prepared the design topology and presented the same to the client for prior approvals. I gave presentations by using Microsoft Power Point. My professional approach proved to be a key factor in project approvals.

I supervised the System Design i.e. Input and Output Data and design.

3.3. List the major deliverables of the project that you were responsible for or contributed to.

As a team lead developer programmer, I designed and presented the ER Diagram as following.



4. Results

4.1. Was your solution implemented? If so, describe the role, if any, you had in the implementation.

I played key role in testing the software parameters before execution. I tested the software for all sorts of errors and bugs for ensuring seamless and flawless operations. I carried our White and Black box testing's.

White Box Testing

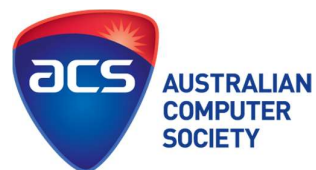
Using this procedure all sovereign paths within the component were exercised once.

Black Box Testing

It aided in detection of diverse class of faults as likened to white-box testing

I also gave end user proper training for the new system and drafted user manual.

4.2. Assess the overall success or failure of the project.



The project was a victory & was implemented/employed in a very short time. This project had offered following characteristics

- Alteration of data without any hustle
- User friendly system
- Flawless generation of reports
- No need of paperwork
- ZERO errors topology due to fully computer controlled operations

4.3. Lessons Learned

In retrospect, what you might have done differently on this project?

The project was a huge success and I learnt working on ASP.net, SQL server and other management software. I also got an idea of time management for completing project in a very short span of time.



Project 2: Online Job Portal Management System

5. Project Summary

5.1. Identification

Client's Company Name	Legal Name of Entity	
Business Address	Street Address Suburb State Postcode Country	
Contact Numbers	Tel: Telephone (include country and area code)	
Web Address	Web address	
Email Address	General email address	
Nature of project		
Location of project		
Name of your employer		

5.2. Duration

	From	To
Total project duration		
Your involvement		

5.3. Resources

	Number
Your team size	
Total project team size	

5.4. Personal Involvement

Please list the phases of the project in which you were personally involved

Start	Completion	Phase Description
mm/yy	mm/yy	Commencement – Requirement analysis & gathering of needs
mm/yy	mm/yy	Documentation Preparation, Design & Development of Database
mm/yy	mm/yy	Development of Input Data & Output Data
mm/yy	mm/yy	Development of Forms for Management
mm/yy	mm/yy	Software Testing, System Implementation, End User Training

5.5. Describe your role(s) and responsibilities in the project.

The prime purpose of establishing this Job Portal System was to aid job hunters a right place for finding the perfect job for them. The system was tied with top agencies. The portal helped job hunters in uploading their resume for the desired jobs. The client wanted to increase their business competence by implementing this system.

Capabilities and Facts used in the Project were:

- Suggested, arranged & achieved software enhancements at each stage by prudently examining all features
- Supported in development & citations of software core needs
- Had prime role in need obligation from project client
- Defining software development methodology, encompassing scope analysis, arrangement, & Execution
- Properly arranged & did coding of the entire software program in line with client needs
- Improved functions of program by writing scripts of programming
- Planned, run & observed project working test
- Carefully monitored project areas for intended enhancement
- Arranged end user training and manual assembly

6. Business Opportunity or Problem

6.1. Describe the business opportunity or problem(s) this project addressed.

The project offered

- Filter, Search capacity for job hunters conferring to their obligatory position
- Regular updates to the job hunters based on their profile
- Job hunters could save the resume online for easy access and forwarding
- All available positions displayed on same page
- Privacy level decided by the job hunter
- Save Job option availability
- Recent listed positions available on first page
- Posting for Jobs made easier for companies
- Multiple tools for pin pointing right job for the searcher
- Fast and secure communication amid the job hunter and the employer

7. Solution

7.1. Discuss your contribution to the solution, project or engagement.

As a senior developer programmer, I was accountable for establishing the project organization and management. I used ASP.NET for front end and for back end I settled for Microsoft SQL Server.

As team lead I was accountable for the project overall success. I designed and developed all the prime segments of the application along with team. I designed and developed all the forms meant for in-put and out-put as per the major stakeholders need.

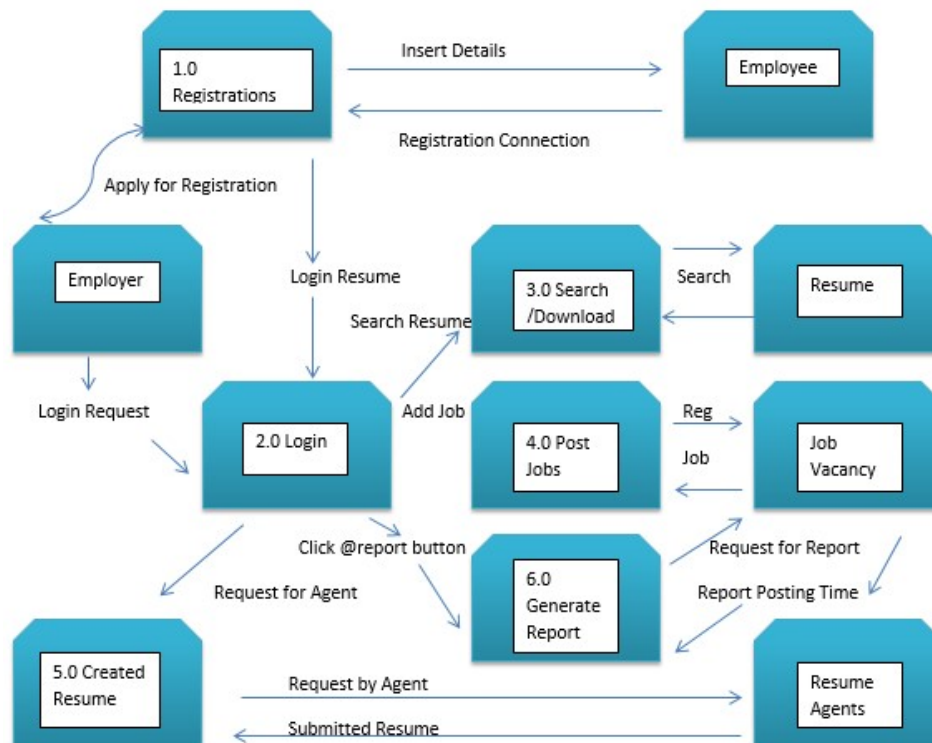
Software Implementation & methodological composition was a very serious phase in this situation so that the main team associates can understand the necessities of chief shareholder appropriately and bring a resolution that is passable for the corresponding end-user.

As a Team lead I was accountable for time-line, necessity investigation, advancement of the aforementioned plan.

7.2. Describe any design or problem solving methods you used on this project.

Initially I designed and presented the Employer Data Flow chart.

Employer Data Flow Diagram



Following were the functionalities of the system designed and setup by me.

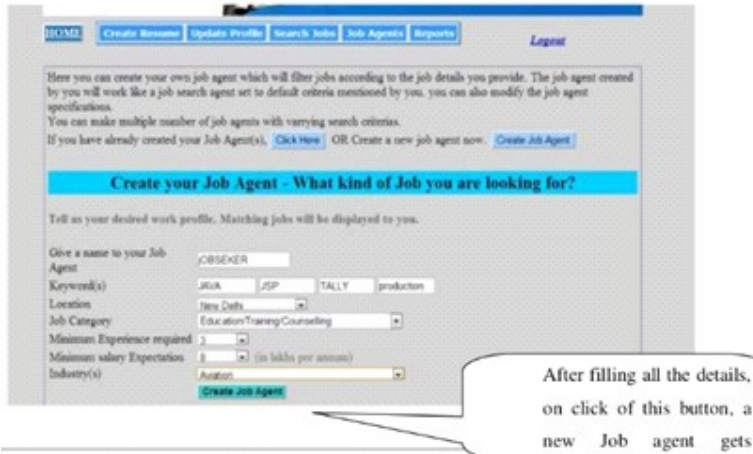
For Job Searchers & Employers

- Registration, Login, & password change
- Search, add, edit and upload CV
- Start or delete job search
- Save desired jobs for future application startup
- Set privacy as desired
- Add job leads for job hunters

7.3. List the major deliverables of the project that you were responsible for or contributed to.

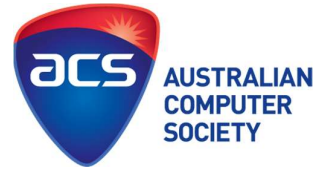
I as a team lead designed, analyzed and executed the entire system in congregation with the team members. Following interfaces were truly my brainchild.

Create Job



Post Job





8. Results

8.1. Was your solution implemented? If so, describe the role, if any, you had in the implementation.

Before making the project online I tested the software for all sorts of errors and possible bugs. I tested the codes as per standard operating procedure. I executed system and user acceptance test later. I gave presentation for the project execution to the stakeholder for their satisfaction.

8.2. Assess the overall success or failure of the project.

The project was a thoughtful accomplishment. It was implemented after very stern inspections at both producer & client end.

8.3. Lessons Learned

In retrospect, what you might have done differently on this project?

This project was a challenging job for me and my team because of the overwhelming needs from the client. I became well educated on working with SQL server and ASP.NET because of this project. We delivered the project within the timeline and the client was very contented with the final outcome.

PREMIUM RPL WRITING SERVICES