

Maryland State Retirement Agency



MARYLAND
STATE RETIREMENT
and PENSION SYSTEM

TECHNICAL ASSISTANT AND SYSTEM DEVELOPMENT INTERN

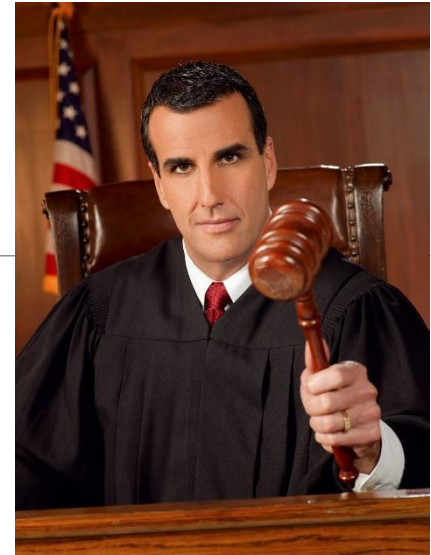
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Introduction

MSRA provides retirement and pension options for state employees:

- Teachers
- Police Officers
- Firemen
- Judges
- Legislators

System Development Department



Major Tasks

- Making tutorial videos of applications
- Updating SharePoint webpages
- Debugging and testing
- Developing small scale web applications



Service Buyback Calculator

- State employees that have a gap in the employment history have an option to “buyback” the years of service they missed
- Enter bio information i.e. Eligible Years, Years of service, Annuity, SSIL
- The result displays the amount the employee would earn with the service purchase and without.

Objective

Objective- update the current client calculator application by turning it into a modernized web application

Old application is written in VB6 and is hosted on Windows XP

New web application is written in C# and can be accessed by anyone with internet connection

Challenges Faced

Unfamiliar with the MVC design pattern and C#

Visual Basic 6 is no longer supported by Microsoft

- Deprecated functions

Quickly approaching deadline

No contact with initial developers

Overcoming Challenges

Utilization of Classroom experience:

- Knowledge of the C and C++ languages from COSC 120, 220 and 350
- Research Skills
- Time Management / Organization

Outcome

- Product was completed and all outstanding issue were fixed
- Application was moved from the development server to test
- Superiors and client were both satisfied with the deliver product
- Documentation was finalized

What would I do differently

- Maintain frequent communication with client
- Utilizes senior co – workers insight

Questions
