Team Falcon
Peregrine Project

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Sponsor: Joe Capell at A-dec

Introduction

- Thanks to Joe Capell from A-dec for being an awesome sponsor and resource!
- Overview of the Peregrine Project
    - a web service enabled application logger where through a set of web services other applications can log information about their processes and jobs
    - logs from all processes and jobs can be viewed via a browser-based user interface

Project Plan

What went right:

- We regularly revisited our backlog of work and re-prioritize what we were working on.
- We finished early because we worked through winter break
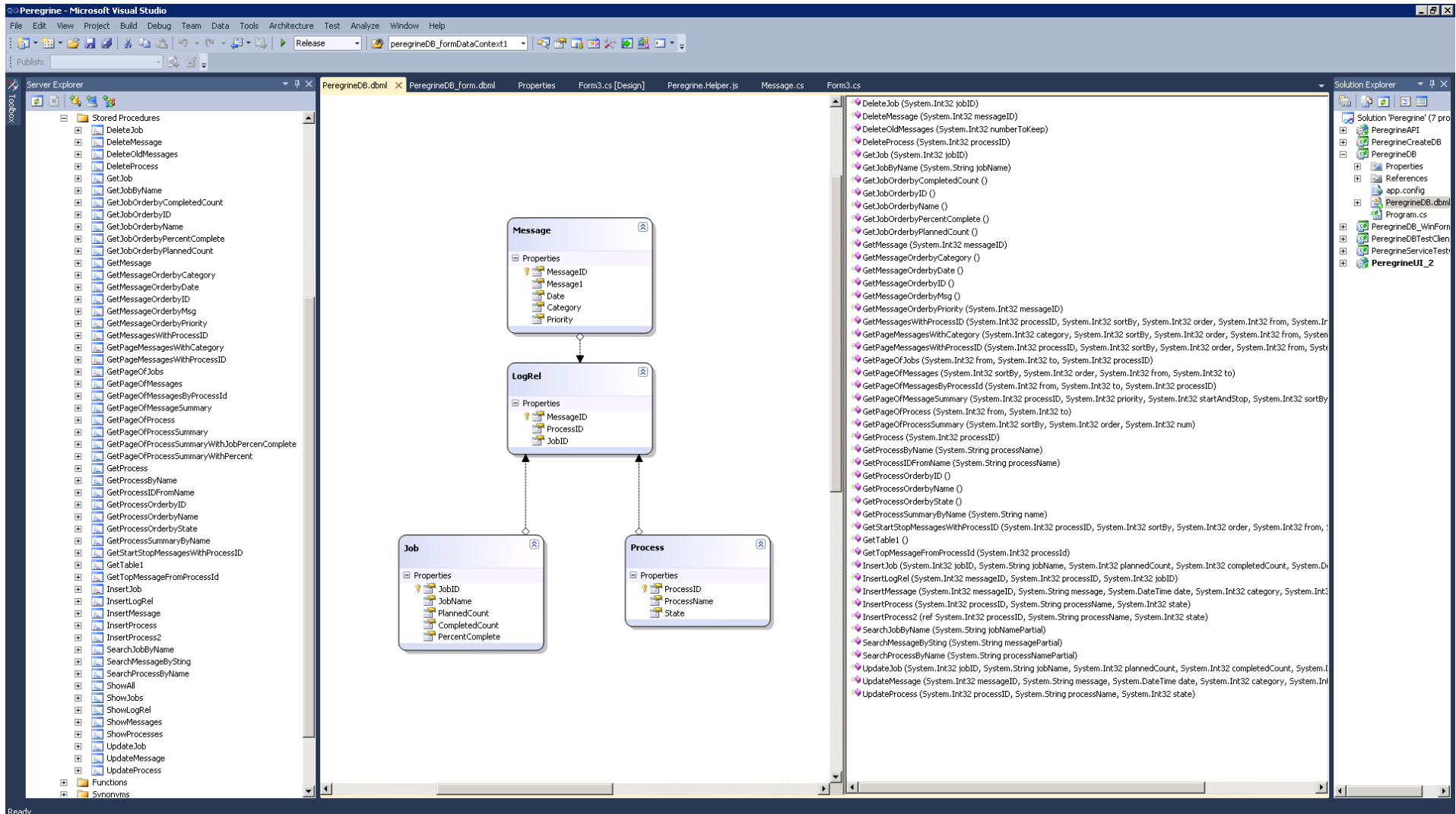- We implemented some of our risk management plan by Kyle and myself helping out with the DB and UI.

What didn't go so well:

- The tools we chose to track the project added too much overhead, so we switched to a spread sheet which worked well for our project size.

Technical Overview: Database

- heavy use of stored procedures
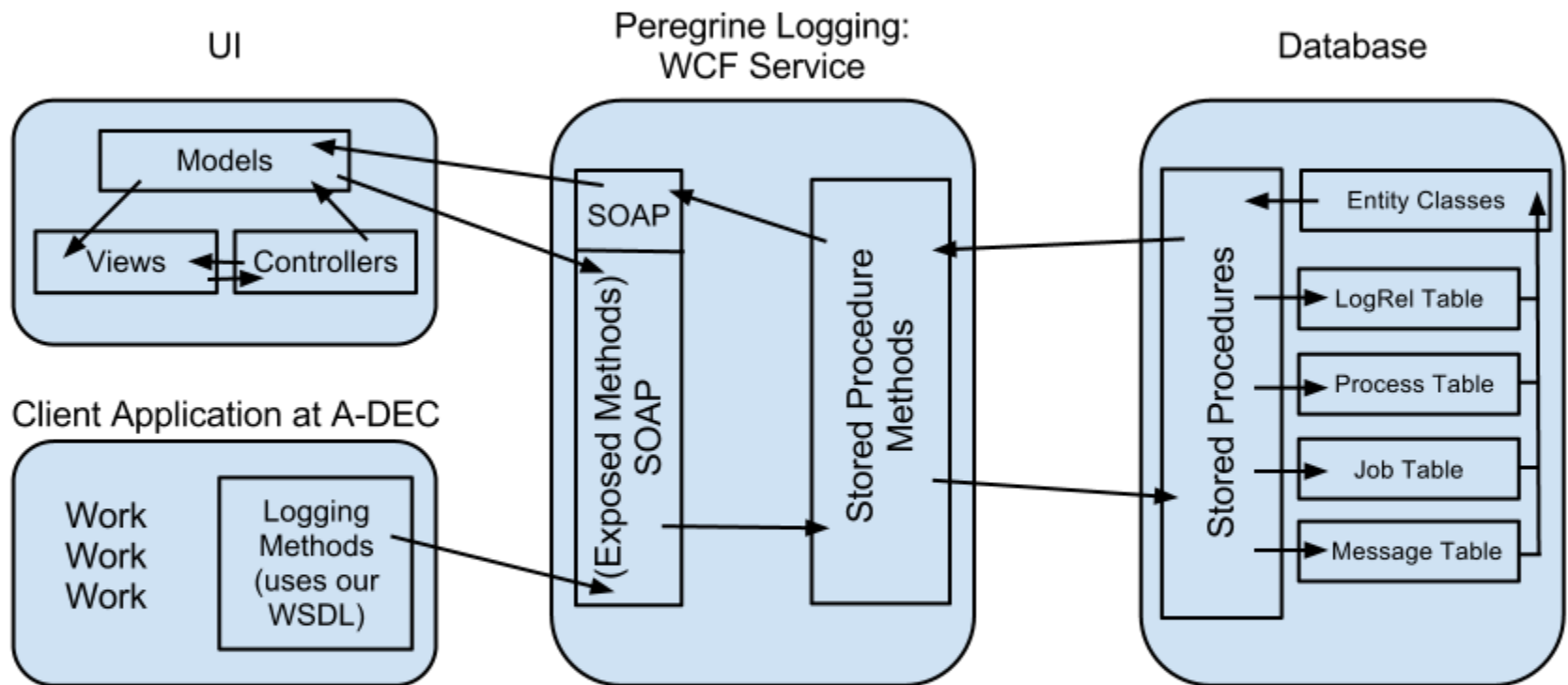- wrapper and generated entity classes

Object Relation Mapping with LINQ library

Technical Overview: UI

- Use ASP.NET MVC3 framework to do Model-View-Controller architecture.

- AJAX: Get exactly the data wanted among a huge pool of data, without refreshing the web page. New data is updated every 30s.

- Heavy use of JQuery: jquery-ui for buttons, auto-complete, pop-up, etc.

Technical Overview: Web Services

Delivery

- Give Joe source via GitHub repository
- Includes user guide with instructions for building and installing the project, as well as installing and maintaining the database.

Demo