

## **PROJECT DOCUMENTATION**

### **PROJECT NAME:**

### **PROJECT TRACKING SYSTEM**

### **CONTRIBUTORS:**

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## **PROJECT DESCRIPTION**

Build a distributed information system with heterogeneous clients, for Out Of Bounds Ltd.

Out Of Bounds Ltd has several teams of project managers and developers who are experts in a various fields of technology

Some of Out Of Bounds teams are based at their London premises, but others are at geographically distant locations.

For certain projects, work is outsourced to other companies.

The current project tracking methods used by Out Of Bound managers are not efficient

## **PROJECT OBJECTIVES**

Develop a software that will aid the project managers and team leaders in project coordination.

The software will be called Project Tracking System (PTS)

## **PROJECT REQUIREMENTS**

This system will allow a manager to register projects

Projects are divide into tasks

Rules regarding the order of tasks can be set

Different tasks can be assigned to different teams (working for the company or outsourced to external teams)

The system will provide functionality for team leaders to register task progress. Project progress can be tracked by the project manager

The customer who commissioned the project can get summary information about the structure of the project, distribution of work and progress

The system will be accessed by four different types of users:

Administrator/project manager

Team leader (internal)

Team leader (external)

Customer

## **SOLUTION**

Based on the above requirements we have decided to build a distributed system with a number of different user interfaces

A database will be built using SQL Server

The main system will be built using the .NET Framework and C# programming language

Most functionality of the system will be exposed as a web service

An Admin Graphical User Interface

## **TOOLS USED**

Microsoft SQL Server

Visual Studio 2015

Java NetBeans

.NET Framework

## **LEARNING OUTCOMES**

**The following was learnt during implementation of the project.**

Building a database

.NET remoting

Building an Admin Graphical User Interface

Implementation of web services

Building a java Graphical User Interface

## **PROBLEMS ENCOUNTERED**

Connecting to the database was a major problem throughout the project.

The java client did not run due to connection issues with the business component, the PTSLibrary.