GLOBALE PROJECT GATALOG

INTRODUCTION

POSSIBLE is an interactive marketing agency. It has 32 offices in 17 countries and provides advertising and marketing services for a broad range of Fortune 1000 clients in the United States and internationally.

The Global Project Catalog(GPC) application catalogs client projects implemented by POSSIBLE. The catalog application is intended to help new business sales team members track previous project work on a global scale for reference in new business pitch work and case studies. Also, it helps internal teams identify and contact fellow employees globally that have worked on projects similar to their own for knowledge sharing or assistance.

The Global Project Catalog is a knowledge management system. It enables the team to save project information, and provides user-interface to people for project viewing, searching, and sharing. With the Global Project Catalog, worldwide employees of POSSIBLE will have the ability to access the project resource, do case studies and encourage knowledge sharing.

FULL SOFTWARE DEVELOP LIFE CYCLE

Design → Develop → Test → Deploy → Integrate → Analyze → Design

APPLICATION FEATURES

Create Project

Project Details

Recent Project Catalog

Administrator Manage Projects

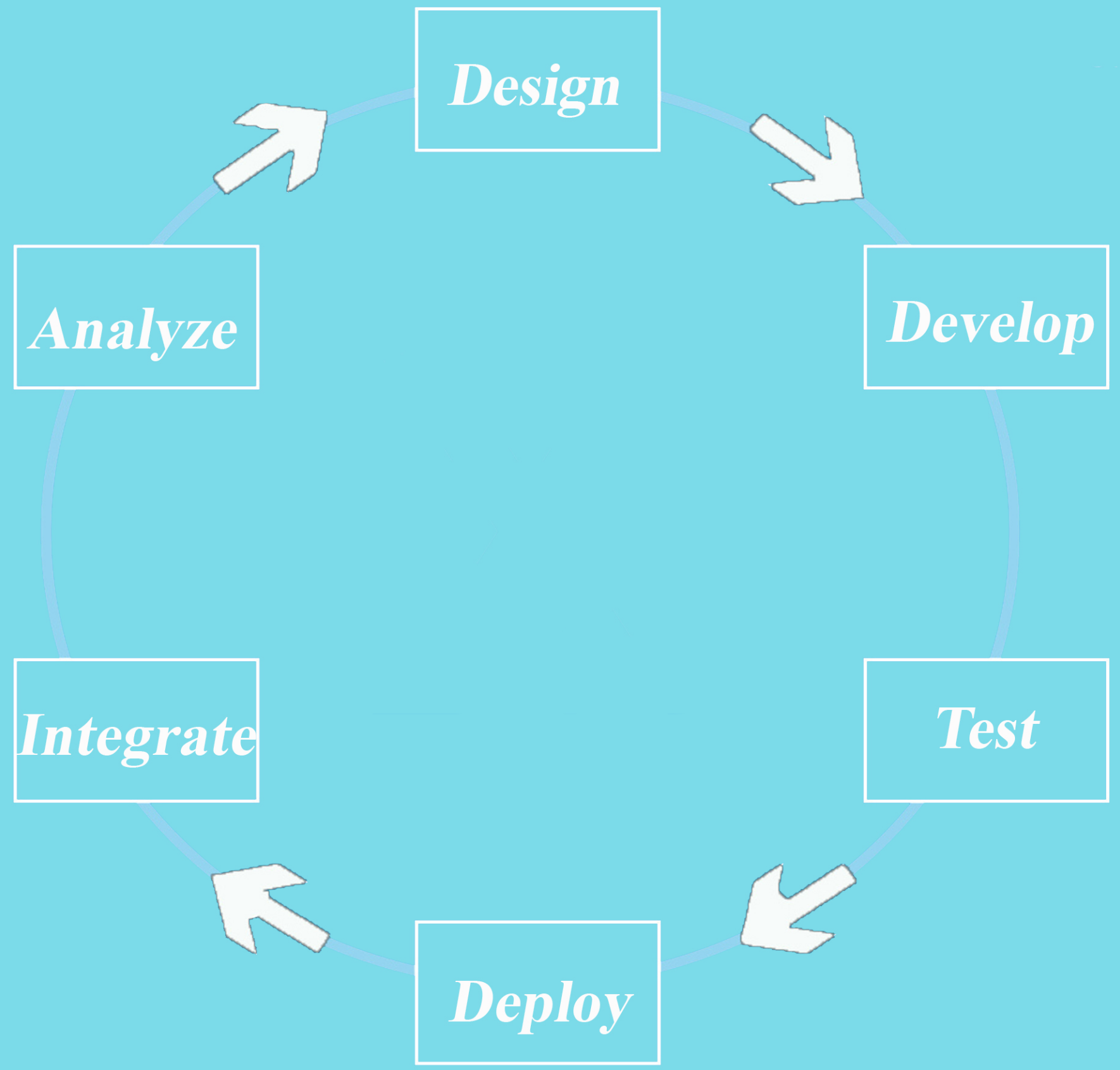## APPLICATION ARCHITECTURE

View Layer

Attribute to the GPC adopts Web Services (Restful Web API), we could develop apps for different platforms and devices without developing business logic again. The User Interface Layer consumes data formated by Json or XML through invoking Web API. We have completed the Web version of GPC. POSSSIBLE clould spend less time to implement UIs for different platforms and deivices, such as IOS, Windows Mobile and Android ...

Knockout.js/JQuery   Json{ }/XML

Business Layer

Colab ← **Authentication Service** ← **RESTFUL WEB API**

.Net Service   ASP.net MVC 4

Since GPC is a distributed system, we design our business logics as different Web Services, These Restful Web API implemented using HTTP and a set of operations (GET,PUT.POST,DELTE). We use latest techniques from Microsoft (.Net Service and MVC 4) to enhance GPC application's proformance and scalability.

From Functional view, the application provides six functional blocks: Create A Project Details, Get Project Information, Find Projects, Save Projecrs, Save Searches and Adminstrator Operations. The GPC application use both Authentication and Authority to control resources access. Through integrating POSSIBLE Colab's Authentication, application provides services only to internal employees. Meanwhile, different roles for emloyees make less risk of information leakage.

Entity Framework

Database Layer

Microsoft SQL Azure

Application Data is storaged in Microsoft SQL Server 2008, which provides a perfect integaration with .Net Service. Moreover, we could deploy our Services and Data to Microsoft Azure Cloud Service seamlessly in a near future in order to offer better services to POSSIBLE glabal employees.

Windows Azure

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