

Functional Specification

Baseball Roster

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| **Filename:** | ITLC\_Functional\_Spec\_Template\_V2.0 |
| **Last Save Date:** | Thursday, March 13, 2014 |
| **Author(s):** | First Last (alias) |
| **File Location:** | [\\server\folder](mailto:ITLCHelp@microsoft.com) |
| **Project Information Classification:** | HBI, MBI, LBI, PII, or HSPII [select information classification] |
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# Introduction

The Baseball roster program is comprised of activities allowing users to submit contact information, and to allow users and administrators to view the information. The purpose of this document is to describe the needs of the users and administrators.

# Solution Overview

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R1 | Individual needs to be able to: Add their personal information to the roster |
| R2 | Individual needs to be able to: Request team name (or blank) |
| R3 | Individual needs to be able to: Request position |
| R4 | Individual needs to be able to: Enter and save personal information |
| R5 | Individual needs to be able to: Edit personal information after entry is complete |
| R6 | Individual needs to be able to: See information for other players (except email) |
| R7 | Admin needs to be able to: See all player information including email addresses |
| R8 | Admin needs to be able to: Add / Delete teams |

## Out of Scope

* There will be no UI component to delete players once added
* There will be no UI component to delete teams once added
* There will be no UI component for viewing a player’s email address. This will be only visible through the SQL Server

## Assumptions and Dependencies

* Users will have access to the application

## Risks

|  |  |
| --- | --- |
| Risk | Mitigation |
| Loss of system availability | Registrations will be done with pen and paper |
| Administrator unfamiliar with SQL Queries | Queries can be written for the administrator |

# System Features

## Functional Area #1 – Add personal information

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R1 | Individual needs to be able to: Add their personal information to the roster |

This information will include:

|  |  |
| --- | --- |
| Field | Required |
| First Name | Yes |
| Last Name | Yes |
| Address | Yes |
| Email | Yes |
| Position (dropdown) | No |
| Team (dropdown) | No |

### User Role

This feature is available to all users

## Functional Area #2 – Request team

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R2 | Individual needs to be able to: Request team name (or blank) |

This information will include:

* Team is selected from the Team dropdown list while adding the player
* This field can be modified
* This is not a required field

### User Role

This feature is available to all users

## Functional Area #3 – Request position

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R3 | Individual needs to be able to: Request position |

This information will include:

* Position is selected from the Position dropdown list while adding the player
* This field can be modified
* This is not a required field

### User Role

This feature is available to all users

## Functional Area #4 – Enter and save personal information

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R4 | Individual needs to be able to: Enter and save personal information |

This information will include:

|  |  |
| --- | --- |
| Field | Required |
| First Name | Yes |
| Last Name | Yes |
| Address | Yes |
| Email | Yes |
| Position (dropdown) | No |
| Team (dropdown) | No |

### User Role

This feature is available to all users

## Functional Area #5 – Edit personal information

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R5 | Individual needs to be able to: Edit personal information after entry is complete |

This information will include:

|  |  |
| --- | --- |
| Field | Can be modified |
| First Name | Yes |
| Last Name | Yes |
| Address | Yes |
| Email | No |
| Position (dropdown) | Yes |
| Team (dropdown) | Yes |

### User Role

This feature is available to all users

## Functional Area #6 – See information for other players

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R6 | Individual needs to be able to: See information for other players (except email) |

This information will include:

|  |  |
| --- | --- |
| Field | Can be viewed by all users |
| First Name | Yes |
| Last Name | Yes |
| Address | Yes |
| Email | No |
| Position | Yes |
| Team | Yes |

### User Role

This feature is available to all users

## Functional Area #7 – Admin to see player email

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R7 | Admin needs to be able to: See all player information including email addresses |

This information will include:

|  |  |
| --- | --- |
| Field | Can be viewed by admin users |
| First Name | Yes |
| Last Name | Yes |
| Address | Yes |
| Email | Yes |
| Position | Yes |
| Team | Yes |

Note: This view is through the SQL Server Management Studio

### User Role

This feature is available to Admin Users only

## Functional Area #8 – Admin to add / delete teams

|  |  |
| --- | --- |
| **Requirement ID** | **Requirement** |
| R8 | Admin needs to be able to: Add / Delete teams |

This information will include:

* Team Name

### User Role

This feature is available to Admin Users only

### Transaction Volumes

The expectation is that the application will be used by 1 user at a time.

### As-Is Solution

N/A - this is a V1 application.

### Performance Considerations

All page loads should be under 2 seconds.

### Business Scenario/Functional Process Flow

* Preconditions
* Use Case Text and Diagrams
* Process Flow Diagrams
* Process Narrative (Step-by-Step, Expected Results)
* Exception Conditions

### Overview of Screens

* Screen List and Descriptions
* Screen Workflow
* Screen Performance Expectations (response times/user times)

### Screen Definition, Screen # 1 - Players

|  |  |
| --- | --- |
| Title | Players |
| Navigation to Screen | This screen is the default screen upon opening the application |
| Navigation Bar Title | Baseball Roster - Players |
| Security/Role of User(s) | All Users |

### Screen Overview

This is the screen where individual players are entered.

### Screenshot/Mock-Up



### Screen Field Definitions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Field Name | Field Type | Len | Format | Validation | Placement | Description | Required |
| Grid | Grid | N/A | According to Field | Follow rules of the field | As Shown | This grid is editable. | N/A |
| First Name | Text | 50 | N/A | None | As Shown |  | Yes |
| Last Name | Test | 50 | N/A | None | As Shown |  | Yes |
| Email Address | Text | 50 | [\_@\_.\_](mailto:_@_._) | Validate correct format of an email address | As Shown |  | Yes |
| Re-enter Email Address | Text | 50 | [\_@\_.\_](mailto:_@_._) | Validate this entry matches the other Email Address entry. Validation happens upon the ‘Sign Up’ button click | As Shown |  | Yes |
| Position | Dropdown | 20 | N/A | None | As Shown | Data comes from db | No |
| Team | Dropdown | 50 | N/A | None | As Shown | Data comes from db | No |

### Screen Controls Matrix (if necessary)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Control | Control Type | Action | Response | Security |
| Sign Up | Button | On Click | Saves data to the database: First Name Last Name Email Address Position Team | Available to all users |
| Update | Button | On Click | Saves updated data in the grid to the database | Available to all users |

### Screen Definition, Screen # 2 – Add Team

|  |  |
| --- | --- |
| Title | Add Team |
| Navigation to Screen | This screen is accessed through a link on the Players screen |
| Navigation Bar Title | Baseball Roster – Add Team |
| Security/Role of User(s) | Admin Only |

### Screen Overview

This is the screen where teams are entered.

### Screenshot/Mock-Up



### Screen Field Definitions

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Field Name | Field Type | Len | Format | Validation | Placement | Description | Required |
| Team Name | Text | 50 | N/A | None | As Shown | Team Name | Yes |

### Screen Controls Matrix (if necessary)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Control | Control Type | Action | Response | Security |
| Add Team | Button | On Click | Saves Team Name to db | Available to Admin Only |

### Error Handling

Application errors will be captured and logged in an issue log.

Friendly error messages will be returned to the end-user.

# Security, Privacy, Accessibility, & Disaster Recovery

## Security

Security of email address will be handled through SQL Server Authentication with a login / password combination.

## Privacy

Email address will be exposed to Administrator only.

## Accessibility

**Color contrast:** Relative luminosity of text-background color pairings must be greater than or equal to 4.1:1 using [*Colour Contrast Analyser*](http://www.paciellogroup.com/resources/contrast-analyser.html)

**Tab order:** Interactive elements must be in a logical tab order

**High contrast mode (Shift+Alt+Print Screen):** User must be able to accomplish all tasks while in high contrast mode

## Disaster Recovery/Business Continuance

Nightly backups will be made to the db. Source-code will be stored in a cloud repository along with the db backups. In the case of a catastrophic system failure, a new system can be brought online within 8 hours.

## Internationalization

### Globalization

There is no plan for expanding this application outside the US.

### Localization

### Languages

|  |  |  |
| --- | --- | --- |
| **Language** | **Country** | **Culture Code (e.g., en-US)** |
| **English** | **USA** | **En-US** |
|  |  |  |

1. Glossary/ Definitions

Below is a list of common terms and their definitions that are used throughout this document:

| Term | Definition |
| --- | --- |
|  |  |
|  |  |
|  |  |

1. Related Documents/References

| Document | Document Location |
| --- | --- |
| Vision and Scope |  |
|  |  |
|  |  |

1. Document Change History

| Version No. | Date | Name (Alias) | Description of Change |
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1. Review and Sign-off

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|  | Functional Specification  Review and Sign-off |

**Document Sign-off**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Name | Response (Approve/Reject) | Date |
| Program Manager (PGM) |  |  |  |
| Development Lead (DEV) |  |  |  |
| Test Lead (TEST) |  |  |  |
| Software Architect (SA) |  |  |  |
| Information Architect (IA) |  |  |  |
| Service Manager (SVM) |  |  |  |
| Solution Manager (SM) |  |  |  |
| Business Representative (BREP) |  |  |  |
| Service Engineer (SE) |  |  |  |
| Privacy Manager (PRI) |  |  |  |
| Security (ISRM-ACE) \*\* |  |  |  |

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Attach this document to an email and use Approve/Reject voting buttons to collect all sign-off responses via reply emails. Investigate and resolve rejections and obtain approval for any exceptions from the Deliver Manager. Store and archive all responses and exceptions along with this document in the project’s information repository at project close. VSTF or SharePoint can also be used for approval tracking instead of voting email.

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