Nzuza, Desmond

TODO Application Design

Contents

[1. Description 3](#_Toc462230209)

[1.1. Problem 3](#_Toc462230210)

[1.2. Requirements 3](#_Toc462230211)

[2. Model 3](#_Toc462230212)

[2.1. Application Server Role 3](#_Toc462230213)

[2.2. File and Storage Services Role 3](#_Toc462230214)

[2.3. Web Server Role 3](#_Toc462230215)

[3. Service 4](#_Toc462230216)

[3.1. FindTODOItemsForUser 4](#_Toc462230217)

[3.2. PersistTODOItems 4](#_Toc462230218)

[3.3. RemoveTODOItmes 4](#_Toc462230219)

[3.4. UpdateTODOItems 4](#_Toc462230220)

[3.5. ResiterUser 4](#_Toc462230221)

[3.6. SubscribeUser 4](#_Toc462230222)

[4. Client Application 4](#_Toc462230223)

[5. Consumer 5](#_Toc462230224)

[5.1. Web Clien 5](#_Toc462230225)

[5.2. Mobile Clients 5](#_Toc462230226)

# Description

## Problem

We need to create an application that will increase users productivity by providing a TODO list management application that is fast, secure and elegant.

## Requirements

We need to be able to synchronize a user’s TODO items across a number of services (including MMS, email and SMS).

# Model

This is the proposed model to cater for managing the list.

## Application Server Role

## File and Storage Services Role

## Web Server Role

# Service

A web service should be create to cater for the retrieval and persistence of a user’s TODO items.

## FindTODOItemsForUser

## FindCompletedTODOItemsForUser

## FindOutdatedTODOItemsForUser

## PersistTODOItems

## RemoveTODOItmes

## UpdateTODOItems

## ResiterUser

## SubscribeUser

# Consumer

## Web Clien

Please create the following application pools in Internet Information Services (IIS):

* GIANT.EKF.UI
* GIANT.Management.Console.CoreService
* GIANT.Management.Console.UI
* GIANT.Management.Service.ProcessManagementService
* GIANT.Process.Runner.UI

## Mobile Clients

Each application pool created above should:

* Set the identity to the service account “svc\_ekf\_preprod”
* Have “Enable 32-Bit Applications” set to “True”.
* Have the version of the .Net Framework set to v4.0.
* Have the “Managed Pipeline Mode” set to “Integrated”

KMC TODO app

Model:

Database with active status for activity,

Must include due data nullable

Create a web api layer

Create business logic

Create repository (to enable easy swapping of implementations)

Include cache later