Implement and profiling the MPTT technique in WordPress Development Case

Version 1.0

Revision History

Date	Version	Description	Author
09/10/2009	1.0	Initial Draft of MPTT technique for WordPress	Ajith

Table of Contents

Development Case

Introduction

Purpose

The development case provides the process that I need to follow for developing the MPTT technique in WordPress.

Scope

Provide the Modified Preorder Tree Trivial (MPTT) technique to WordPress and achieve the needs of this project by providing better solution.

References

WordPress

Overview

The Overview of the Development Case describes the formatting and conventions used to describe the process

Overview of the Development Case

Lifecycle Model

The lifecycle used for the MPTT technique in project is CBSE and its major milestones are,

Provide the MPTT technique to WordPress that make sure that the data stored in database sing the provided technique.

By using the technique, provide a fast sorting method which used to show the content of the page.

Disciplines

Disciplines that this document covers are,
requirements, analysis and design, implementation, test, deployment

Discipline Configuration

The purpose of this section is to explain how the discipline configuration works. This includes an explanation of the purpose for the various tables and for each of the sections that describe the various disciplines listed in the section titled Disciplines.

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			

Explanation of the table

Column Name	Purpose	Contents/Comments
Artifacts	Name of the artifact.	A reference to the artifact in the Rational Unified Process or to a local artifact definition held as part of the development case
How to Use	Qualify how the artifact is used across the lifecycle.	Inception Phase - Incep Elaboration Phase - Elab Construction Phase - Const

		Transition Phase - Trans **C -** create in that phase **M -** modify in that phase
Review Details	Define the review level, and review procedures to be applied to the artifact.	**Formal** - reviewed and .signed off by the customer or relevant stakeholders. **Informal** - reviewed by one or more team members. No sign off required.
Tools Used	Definition of the tool (or tools), used to produce the artifact.	References to the details of the tools used to develop and maintain this artifact.
Templates/Examples	Definition of the tool (or tools), used to produce the artifact.	References to the details of the tools used to develop and maintain this artifact.

Artifact Classification

An artifact is a deliverable of the process. It is often developed within one core workflow, although there are exceptions. The artifacts are organized in the workflow where they are created. To describe how an artifact will be used, we use the following classification scheme.

- **M - Must**
- **S - Should**
- **C - Could**
- **W - Won't**

Review Procedures

The project uses the following review levels:
- Formal-External
- Formal-Internal
- Informal
- None

For details see Guidelines: Review Levels.

Sample Iteration Plans

Inception Phase

Main purpose of this phage is, identifying ht external entities which interact with the system. In this phase I will do some search on the particular title and get the basic idea which will help me in next phase. No implementation.

Elaboration Phase

Identifying the problems and establish the architecture framework and identify the key project risks. Using the ideas start to don some implementation, from the basis. By dividing the works, this phase will become short and can implement easily. Here the code writing process will start.

Construction Phase

Mainly focused on design, programming and testing.
Using the ideas that I got in inception phase and elaboration phase begin the construction of the project, this is the phase where the main goals can be achieved. In this project, writing the codes is the main challenge compare to other work.

Transition Phase

Move the system from development to user.
Implementing the MPTT technique is the main task in the project, so whatever code implemented here must integrate with WordPress. So transition phase also take a big deal.

Disciplines

3.1 Requirements

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Feasibility Document	C	M			Formal	MS Word/RUP template	
System Requirement Specification	C	M			Formal	MS Word/RUP template	
User-Interface Prototype		C					
Vision	C	M			Formal	MS Word/RUP template	

Analysis & Design

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Data Model		C	M		Informal		
Design Model		C	M		Informal		
System Architecture and Design		C	M		Formal	MS Word/RUP template	

Implementation

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Build	M	C				wampserver	
Component	M						
Implementation Model	M						
Implementation Subsystem	M					notepad	
Integration Build Plan	M					notepad	

Testing

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Test Case		M	M			Wampserver	
Test Class		M	M			Wampserver	
Test Components		C	M			Wampserver	
Test Evaluation Summary			M			Wampserver	
Test Suite		C	M			Wampserver	
Test Plan		C	M			Wampserver	
Test Results		M	M			Wampserver	
Test Script		C	M			wampserver	
Workload Analysis Model							

Deployment

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Deployment Plan		C	M				
Product			C	M			
Release Notes		C		C		MS Word	

Configuration & Change Management

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Change Request	W	C	M	M	Informal		
Configuration Audit Findings	W	W					
Configuration Management Plan	W	M	M	M	Informal		
Project Repository	W	C	M	M			
Workspace	W	C	M	M			

Project Management

Workflow

Artifacts

Artifacts	How to Use				Review Details	Tools Used	Templates/ Examples
	Incep	Elab	Const	Trans			
Risk List	C	M	M	M	Informal		
Project Schedule	C	M	M	M	Formal	MS Word/RUP template	
Project maintenance document	C					MS Word	

Roles

. This project is an individual one so only one role is playing.