

**JUDGE FROG**

Developer Guide

***V1.0***

**3/15/2015**

# Revision History

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| --- | --- | --- |
| Version | Changes | Edited |
| 1.0 | * Initial Draft | March 15, 2015 |

# Revision Sign-Off

By signing the following, the team member is stating that he has read the entire document and has verified that the information contained within this document is accurate, relevant to the project, and void of errors.

|  |  |  |
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# Introduction

## 1.1 Purpose

The purpose of this document is to provide developers with the appropriate information so that they can modify the Judge Frog source code to meet their needs and requirements. Each major component of the application will be broken down and outlined.

## 1.2 Overview

This document includes the following sections.

**Section 2 – System Overview:** Covers the main components of the system.

**Section 3 – Development Getting Started:** Covers an introduction to programming of the CakePHP web application.

**Section 4 - Glossary of Terms:** Includes a list of abbreviations and their technical terms and their associated definitions.

# 2. System Components

## 2.1 System Components

Judge Frog is comprised of the CakePHP web application, MySQL database, and a web host.

**2.1.1 CakePHP Web Application**

The CakePHP web application is used as a framework for a foundation for the web application. It allows for a MVC structured model of the developed web application.

### 2.1.2 MySQL Database

The MySQL database contains all the case information and user login information. The database is stored on the web host’s server.

### 2.1.3 Web Host

The web host the project relies on is Arvixe. Three domains are purchased from Arvixe including; humantraffickingdata.org, humantraffickingdata.com, humantraffickingdata.net. The web application and database are stored on a Linux class server.

# Development Getting Started

## 3.1 CakePHP

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## 3.2 MySQL Database

# 4. Glossary of Terms

**Administrator** – privileged user capable of performing major changes to database.

**Application** – Group of programs designed to supply an end-user with expected functionality.

**CakePHP** – A free, open-source, rapid development framework for PHP.

**Control** **Panel** – interface specifically designed to allow administrators to easily perform their tasks.

**Database** – A structured set of data held in a computer, accessible in various ways.

**Deliverable** – A product, not necessarily finished, related to the project given to the client.

**End-User** – A person or persons who will be using the web application for the specified purpose of our project.

**Foreign Key** – A field in one table that uniquely identifies a row of another table.

**GitHub** – A Web service for software version control.

**Host** – A website on a server accessible over the Internet.

**Milestone** – A point at which project progress can be assessed.

**PHP** – A general-purpose scripting language that is especially suited to server-side web development.

**Primary Key** – Uniquely identifies each record in the table.

**Prototype** – simulates only a few aspects of, and may be completely different from, the final product.

**TCU** – Texas Christian University

**UML** – Unified Modeling Language; a modeling language designed to provide a standard way to visualize the design of a system.

**Walk-through** – Points during the project where the team describes significant project components with clients and individuals within the team.

**Web Application** – Application that is accessed by visiting a specific URL.