# Proposal

**Project:** Develop R.E.F.P.O(Real Estate Fraud Prevention System).

**Estimate Project Duration:** 45 Days from the starting day of the project.

**Key Technologies To Be Used:** PHP, MySQL, javaScript, jQuery and other industry standard approaches to meet the application requirements.

**Coding Standard:**

Defining coding standard is one of the key parts of developing application to support efficiency, maintainability and collaboration.

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| **⃝** | Coding Style: OOP(Object Oriented Programming)/Functional |
| **⃝** | Separate files & directories for individual parts like inc/config.php, common.php; lib/email\_sender.php, alldb.php, xmlwriter.php; |
| **⃝** | One class per file, no loose coding. |
| **⃝** | Class names are MixedCase, methods names are camelCase, constants are ALL\_CAPS, properties and variables are camelCase, non-public class members are \_underscorePrefixed. |
| **⃝** | Database conventions: Tables will always be named singular names for most tables, except when dealing with a clear collection. Thus the foreign key relationship will hold true to table\_id form. Tables will be grouped by prefixes of primary related tables (itemProperties related to table item). |
| **⃝** | Database tables and fields: plural and lowercase words separated by underscores. For example: items, item\_specifications. |

**Sensitive Data Protection:**

There will be maximum priority to protect sensitive data in best possible way. The below practices should be applied in the project.

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| **⃝** | The application does not log sensitive data in clear text. |
| **⃝** | Sensitive data is not stored in cookies. |
| **⃝** | Sensitive data is not stored in unencrypted, hidden form fields or query strings. It is maintained by using server-side state management if asked. |
| **⃝** | SSL, IPSEC with encryption, or application layer encryption prior to transmittal is used to protect sensitive data during transmission. |
| **⃝** | Sensitive data is not cached. Output caching is off by default. |
| **⃝** | Sensitive data that is transferred via e-mail uses S/MIME encryption or Information Rights Management (IRM), depending upon the intended recipient. |

**Source Control:**

In a large scale applications, working as a team is a common scenario. Source control management system (SCM) provides file management and version control for the team members so they don’t write over each other’s changes, and only the newest versions of files are identified for use in the workspace. It is very important for the development.

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| **⃝** | Using distributor source control in the team: Git (Developed for, and used by Linux kernel development). |
| **⃝** | Asking team members to make small atomic commits and write good log messages so it does not affect the other person's work. |

## **Documentation:**

It is always important to keep codes well documented. Code should communicate its purpose. Project will require adequate documentation to ensure that customizations that are being deployed are installable, supportable, and well tested.

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| **⃝** | Source Documentaion: using phpDocumentor. |
| **⃝** | phpDocumentor tags are the most used standard for generating documentation from php source code. |
| **⃝** | Customizations are accompanied by a list of all dependencies. This will include account/passwords, databases, other solutions or features, patches, tool sets or libraries, and other dependencies. |
| **⃝** | A list of all event entries that are generated by the customizations and the actions to take are supplied. |

**Estimated Budget:** 3000USD.

**Brief Overview of Developers & Work Style:** We are a developer team working on different market places. We specialize in PHP, Python, MySQL & javaScript. We love to develop large & scalable applications that deal with huge datasets and perform lightning fast specially during high traffic. For the convenience of the project progress we split the development process in separate phases and ask clients to set milestones on them. A final agreement of the development will let us provide you the phases of the development and milestones according to the magnitude of the work.

Thank you for reading our proposal.

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