

Software Requirement Specification

1.	Name of the Project	Work to Worker - Services to unorganized sector
2.	Objective/ Vision	<p>Objective of this system is to providing a work to worker. Solution focused on the workers of unorganized sector includes mason, carpenters, gardener, painter etc. Work to Worker is a Web-based solution through which worker (s) registered them selves for a specific skill. Using this system general public or organized sector user can select the worker(s) as per their need. At the time of worker selection he/she can view the skill, references given by those who have taken their service in the past, area (worker location) and availability of a particular worker(s). System sends SMS to a selected worker(s) regarding work and customer details. Worker(s) confirms either through phone or this system and either fixed up meeting or work start date. Organized sector user or general public can rate worker skill, charges, particularity about time, dedication, behavior, habits etc through this system. Users can put their demands regarding particular skill workers along with project location, and project details</p>
3.	Users of the System	<p>A. Administrators B. Worker from unorganized sector C. Customer - Organized sector (builder, contractor) D. General public</p>
4.	Functional Requirements (Atleast Eight)	<p>i. Secure Registration of users (workers) and customers (general public/ organize sector user) with any type of centralized security mechanisms (election card, passport, pan card etc.) . ii. Workers are classified into various groups & categorized namely aware skilled, semiskilled, etc... iii. State can be modified by feedback system & workers rating evaluation algorithms. iv. Profile management facilities for both laborers and customers. v. Chat/mail/SMS services (preferably multilingual) vi. Customer can make a community for reference purpose etc. vii. Customer can give their feedback for worker(s) who worked for them. viii. Worker can view details information project (organized sector) in particular location. ix. Worker can maintain the work calendar which should be exported to</p>

		<p>txt; xls or pdf format, there must be mechanisms for face-to-face meeting with customer.</p> <p>x. Local language support.</p> <p>xi. Administrator able to generate various reports graphs on strategic data which should be exported on xls or csv format, also able to backup/recovery data.</p> <p>xii. Facilitate appropriate communication between all stakeholders - Discussion forum/chat/mail/polls</p> <p>xiii. User Manual</p>
5.	Non-functional requirements (Atleast Four)	<ul style="list-style-type: none"> i. Secure access of confidential data (user's details). SSL can be used. ii. 24 X 7 availability iii. Better component design to get better performance at peak time iv. Flexible service based architecture will be highly desirable for future extension
6.	Optional features	<ul style="list-style-type: none"> • Java based client for Administrator • Customizable color scheme or skins Customizable color Scheme or skins • Interface to admin to change static web contents
7.	User interface priorities	<ul style="list-style-type: none"> A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Browser testing and support for IE, NN, Mozilla, and Firefox. D. Use of Graphical tool like JASPER to show strategic data to admin E. Reports exportable in .XLS, .PDF or any other desirable format
8.	Reports	<ul style="list-style-type: none"> • Different levels of reports on worker(s) and customer - region, work-type, category, rating and others • Area wise project details along with requirements • Daily report on work request from customer. • Weekly progress reports of laborers to admin • Worker wise feed back report • Category & area wise worker list
9.	Other important issues	A. • Any creative ideas from you to support and promote to urbanize the economy.
10.	Team Size	2 – 4 members
11.	Technologies to be used	UML, J2EE, XML, e-Forms, AJAX, Web 2.0, Web-services, SOA
12.	Tools to be Used	<ul style="list-style-type: none"> • ROSE/RSA / WebSphere Modeler • Eclipse/ RAD / Lotus Forms Designer / Portlet Factory • WebSphere Portal/ WAS/ WAS CE / WPS • DB2 Express – 'C' or DB2 UDB

		<ul style="list-style-type: none"> • Tivoli CDP/TSM / Tivoli Directory Server • Linux will be the preferred OS.
13.	Final Deliverable must include	<p>A. Online or offline help to above said users, Application deployment executive and developer</p> <p>B. Application archive (.war/.ear) with source code</p> <p>C. Database backup and DDL Script</p> <p>D. Complete Source code</p>