**Business Requirement Document**

**for**

**ERP web backend Development**

**by**

**(Duplex Technologies Services)**

**for**

**Mr. Dipanshu Kumar**

**(Leader Range Technologies)**

1. **Vendor Module:** This module will have two sub modules i.e.
   1. **Vendor Master:** This master will be accessed by admin and the admin can manage below listed functionalities
      1. **Invite Vendor:** Admin can invite vendors by entering some basic details as below

|  |  |  |
| --- | --- | --- |
| Field | Data Type | System Validation |
| Company Name (Mandatory) | Text Field | First Name must be in characters only. |
| Contact Person | Text Field | Last Name must be in characters only. |
| Email ID (Mandatory) | Text Field | Email must be in the basic format i.e. *adb@mail.com* |
| Invite | Button | After clicking on invite button, the vendors will receive an invitation mail with the link of the form which they need to fill and submit |

|  |
| --- |
| Email Trigger |
| The email triggers and its content has provided by client and the link for the same is mentioned below |
| <https://drive.google.com/file/d/1iudkYS8URmGFGc8S5L3jC-_fe292JGOg/view?usp=sharing> |

* + 1. **Vendor Requests:** By this admin can access the listing of vendor requests, sort the listing as below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Company Name | Contact Person | Email -ID | Source | Status | Action |
| Store Name | User Name | [xyx@mail.com](mailto:xyx@mail.com) | Internal | Invited | View | Approve | Stand by |
| Store Name | User Name | [xyx@mail.com](mailto:xyx@mail.com) | External | Submitted | View | Approve | Stand by |
| Store Name | User Name | [xyx@mail.com](mailto:xyx@mail.com) | Internal | Stand by | View | Approve | Stand by |

***Note:*** *If the source is internal that means the vendor has been invited by admin and if the source is External it means the vendors have registered themselves from LRT’s official website.*

* + **View:** After clicking on view admin can all details ***submitted by*** vendor from the registration form as below:

|  |  |  |
| --- | --- | --- |
| Field | Data Type | System Validation |
| Vendor Details | | |
| Vendor Short Name | Prefilled | Admin can see vendor short name filled by vendor. |
| Company Name | Prefilled | Admin can see company name filled by vendor. |
| Address | Prefilled | Admin can see address filled by vendor. |
| City | Prefilled | Admin can see city filled by vendor. |
| State | Prefilled | Admin can see state filled by vendor. |
| Country | Prefilled | Admin can see country filled by vendor. |
| Pin Code | Prefilled | Admin can see pin code filled by vendor. |
| Telephone Number | Prefilled | Admin can see telephone number filled by vendor. |
| Fax No. | Prefilled | Admin can see Fax No. filled by vendor. |
| Mobile Number | Prefilled | Admin can see mobile number filled by vendor. |
| Alternate Number | Prefilled | Admin can see alternate number filled by vendor. |
| GST Number | Prefilled | Admin can see GST number filled by vendor. |
| SST Number | Prefilled | Admin can see SST Number filled by vendor. |
| Payment Terms | Prefilled | Admin can see Payment Terms filled by vendor. |
| Currency | Prefilled | Admin can see Currency filled by vendor. |
| Category Name | Prefilled | Admin can see Vendor Category filled by vendor. |
| Region | Prefilled | Admin can see region filled by vendor. |
| Work Samples | Prefilled | Admin can download the work samples uploaded by vendor. |
| Machine Capability | Prefilled | Admin can see filled by vendor. |
| Personal Details | | |
| System ID/PASSWORD | Prefilled | GENERATED BY SYSTEM AND MAILED |
| Name | Prefilled | Admin can see the vendor name. |
| Email Address | Prefilled | Admin can see the email id of vendor. |
| AV (APPROVED VENDOR) NUMBER | Prefilled | Admin can see the ID number of vendors. |
| Passport Number | Prefilled | Admin can see the passport number of vendors. |
| Skill/CAPABILITY | Prefilled | Admin can see the skill checked by vendor. |
| Engineer Level | Prefilled | Admin can see the level of the vendor. |
| Telephone Number 1 | Prefilled | Admin can access the telephone number of the vendor. |
| Telephone Number 2 | Prefilled | Admin can access the telephone number of the vendor. |
| Address | Prefilled | Admin can access the address of the vendor. |
| City | Prefilled | Admin can access the city of the vendor. |
| Pin Code | Prefilled | Admin can access the pin code of the vendor. |
| Country | Prefilled | Admin can access the country of the vendor. |
| Location | Prefilled | Admin can access the location of vendor from maps as well. |
| Bank Details | | |
| Bank Details/PayPal | Prefilled | Admin can see if the vendor is using bank for transaction or PayPal. |
| If vendor chose Bank: | | |
| Bank Name | Prefilled | Admin can see the name of bank. |
| Swift Code | Prefilled | Admin can see the swift code. |
| Account Number | Prefilled | Admin can see the account number |
| Receiver Name | Prefilled | Admin can see the name of receiver. |
| Bank Address 1 | Prefilled | Admin can see the bank address. |
| Bank Address 2 | Prefilled | Admin can see the bank address. |
| Bank Address 3 | Prefilled | Admin can see the bank address. |
| Postal code | Prefilled | Admin can see the postal code of bank. |
| City | Prefilled | Admin can see the city of bank. |
| State | Prefilled | Admin can see the state of bank. |
| Country | Prefilled | Admin can see the country of bank. |
| Bank Contact Number 1 | Prefilled | Admin can see the contact number of bank. |
| Bank Contact Number 2 | Prefilled | Admin can see the contact number of bank. |
| If Vendor Chose PayPal: | | |
| Email ID |  | Admin will be able to see the email ID of vendor’s PayPal account. |
| NDA | Pre-uploaded |  |
| Select Status | Radio Button | Admin need to choose the status of vendor from (i) Active (ii) Suspend |
| Portal Access? | Drop Down | Admin need to select an option from (i) Yes (ii) No if admin select portal access yes then, some addition fields of vendor permissions with a checkbox will start appearing on this page and admin can assign different permissions to the vendor to access their portal. ***Note:*** The vendor permission are defined below in ***2.1.3. Vendor Permissions*** para. |
| Approve | Button | After clicking on this button, **if Portal Access = No**: the vendors will be notified on their above-mentioned email saying *your request has been approved.*  **If Portal access = Yes:** the vendors will be notified on their above-mentioned email saying *your request has been approved with the link of vendor portal and its credentials to access the vendor portal.* And the listing of this particular vendor will be removed from vendor request page and will start appearing at vendor listing page |
| Stand By | Button | After clicking on this button, the vendors will remain at vendor request page and admin can approve them in future. |

* + **Sort By:** There will be sort by button and the admin can sort this vendor request listing on below parameters:
    - Company Name
    - Contact Person
    - Invited
    - Submitted
    - Stand By
    1. **Vendor Permissions:** By this, admin can assign the portal permissions to be accessed by vendor form their portal as below
* Admin can change permissions anytime from this panel.
* The permissions will be assigned to each vendor individually.
* The permissions will be in checkbox so that the admin check the boxes and the respective permission will get assigned to a particular vendor as below:

|  |  |
| --- | --- |
| Field | Data Type |
| Select All | Checkbox |
| Payments | Checkbox |
| QC Report | Checkbox |
| KPI | Checkbox |
| PO | Checkbox |
| PR | Checkbox TBC by Client……... |

* + 1. **Vendor Listing:** Admin can access the vendor listing as below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Company Name | Vendor Name | Category | GST No. | Action |
| xyz company | User name | Finishing/treatment | **-** | View | Suspend |
| xyz company | User name | Hardware | xxxxxxxxxxxx | View | Suspend |
| xyz company | User name | Material | xxxxxxxxxxxx | View | Suspend |

* + 1. **Payments:**
    2. **Quality Analysis & feedback:**
    3. **Delivery:**
    4. **Purchase Orders:**
  1. **Vendor Portal:** There will be two ways to register the vendors with LRT.
* By registering themselves via LRT official website.
* By receiving the invitation from Admin of ERP.
* The registration form details are as below:

|  |  |  |
| --- | --- | --- |
| Field | Data Type | System Validation |
| Vendor Short Name (Mandatory) | Text Field | Vendor short name must be in characters only. |
| Company Name (Mandatory) | Text Field | Company name can be alpha numeric. |
| Address (Mandatory) | Text Field | Vendors need to fill their address in this field. |
| City (Mandatory) | Dropdown | Vendors need to select their city from this dropdown  The listing of cities is coming from Area Master |
| State (Mandatory) | Dropdown | Vendors need to select their city from this dropdown  The listing of States is coming from Area Master |
| Country (Mandatory) | Dropdown | Vendors need to select their city from this dropdown  The listing of Country is coming from Area Master |
| Pin Code (Mandatory) | Text Field | Vendors need to fill their Pin code in this field.  The pin code must be of five digits and the data type must be numeric digits only. |
| Telephone Number | Text Field | Vendors need to fill their telephone in this field. |
| Fax No. | Text Field | Vendors need to fill the fax no. in this field. |
| Mobile Number (Mandatory) | Text Field | Vendors need to fill their mobile in this field. |
| Alternate Number | Text Field | Vendors need to fill the alternate number in this field. |
| GST Number | Text Field | Vendors need to fill the GST number in this field. |
| SST Number | Text Field | Vendors need to fill the SST number in this field. |
| Payment Terms (Mandatory) | Text Field | Vendors need to fill their payment terms in this field. |
| Currency (Mandatory) | Text Field | Vendors need to fill their Currency in this field. |
| Category Name (Mandatory) | Dropdown | Vendors need to select their Category in this field. |
| Region (Mandatory) | Radio Button | Vendors need to select their region in below options:   1. Local 2. Oversea |
| Work Samples | Attachment | Vendors need to upload their work samples by this attachment. |
| Machine Capability (If category is finishing or Fabrication then mandatory) | Button | * After clicking on this a pop up will get opened in a tabular format of 3 columns and 10 rows. * The columns will contain below 3 headings   + Machine Name   + Machine Function   + Machine Capability & Limitations * Vendor can upload up to 10 machines.   if the vendor selected fabrication or finishing category from vendor category dropdown then it’s mandatory to fill their Machine Capability in the popup. |
| Personal Details | | |
| System ID | Textbox | Vendors need to fill the alphanumeric characters. |
| Name | Textbox | Vendors need to fill the characters only. |
| Email Address | Textbox | Vendors need to fill the email id in the form of xyx@mail.com |
| ID Number | Textbox | Vendors need to fill the alphanumeric characters. |
| Passport Number | Textbox | Vendors need to fill the alphanumeric characters. |
| Skill | Checkbox | Vendors can select their skill from below options:   * MASTERCAM * SURCAM * HYPERMILL |
| Engineer Level | Dropdown | Vendors can select their level from below options:   * EL1 * EL2 * EL3 * EL4 * EL5 |
| Telephone Number 1 | Textbox | Vendors need to enter their mobile number in numeric characters only. Note: There will be a dropdown to select the country code of the phone number. |
| Telephone Number 2 | Textbox | Vendors need to enter their mobile number in numeric characters only. Note: There will be a dropdown to select the country code of the phone number. |
| Address | Textbox | Vendor need to enter their address in alphanumeric. |
| City | Dropdown | Vendor need to select their city from the dropdown. |
| Pin Code | Text field | Vendor need to enter the pin code in numeric characters only. |
| Country | Dropdown | Vendor need to select their country from the dropdown |
| Location | Map | There will be map view, from there the vendors can either search their location from the search bar associated with mapbox or can click on crosshair icon so that the system will be able to access their current location. |
| Bank Details | | |
| Bank Details/PayPal | Radio Button | Vendor need to choose the payment provider to give the details of PayPal or Bank. |
| If vendor chose Bank: | | |
| Bank Name | Dropdown | Vendor need to select the Bank Name from the dropdown. |
| Swift Code | Dropdown | Vendor need to select the swift code from the dropdown. |
| Account Number | Textbox | Vendor need to enter the account number in alphanumeric. |
| Receiver Name | Textbox | Vendor need to enter the name of receiver in characters only. |
| Bank Address | Textbox | Vendor need to enter the bank address in alphanumeric characters. |
| Postal code | Textbox | Vendor need to enter the postal code of bank in numeric characters only. |
| City | Dropdown | Vendor need to select the city from the dropdown. |
| State | Dropdown | Vendor need to select the state from the dropdown. |
| Country | Dropdown | Vendor need to select the country from the dropdown. |
| Bank Contact Number 1 | Textbox | Vendors need to enter the contact number in numeric characters only. Note: There will be a dropdown to select the country code of the phone number. |
| Bank Contact Number 2 | Textbox | Vendors need to enter the contact number in numeric characters only. Note: There will be a dropdown to select the country code of the phone number. |
| If Vendor Chose PayPal: | | |
| Email ID | Textbox | Vendors need to fill the email id in the form of [xyx@mail.com](mailto:xyx@mail.com) associated with their PayPal account. |
| NDA | Attachment | Vendors need to download the NDA from here and has to upload the counter sign copy of the NDA in .pdf format only. Note: below will the conditions to download and upload the NDA written in the form   * Please download your NDA agreement. * Type your name and use pen to draw your signature. |
| Submit | Button | After clicking on this button, system will save their requests and the saved requests will be moved to the vendor requests page at admin panel. |

<!DOCTYPE html>

<html>

<head>

    <title>Leaflet Crosshairs</title>

    <!-- Include meta tag to ensure proper rendering and touch zooming -->

    <!--<meta name="viewport" content="width=device-width, initial-scale=1" />-->

    <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no">

    <!-- Include the jQuery library -->

    <script src="//ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>

    <!-- Include jQuery Mobile stylesheets -->

    <link rel="stylesheet" href="//ajax.googleapis.com/ajax/libs/jquerymobile/1.4.5/jquery.mobile.min.css">

    <!-- Include the jQuery Mobile library -->

    <script src="//ajax.googleapis.com/ajax/libs/jquerymobile/1.4.5/jquery.mobile.min.js"></script>

    <!-- Include leaflet css and js -->

    <link rel="stylesheet" href="//cdn.leafletjs.com/leaflet/v0.7.7/leaflet.css" />

    <script src="//cdn.leafletjs.com/leaflet/v0.7.7/leaflet.js"></script>

    <style>

    body {

        padding: 0;

        margin: 0;

    }

        html, body, #map {

            height: 100%;

            width:100%;

        }

        #metamap {

            width: 100%;

            height: 300px;

        }

        #crosshair {

            position: relative;

            z-index: 10;

            height: 200px;

            vertical-align: middle;

        }

    #crosshair img {

        position: absolute;

        margin: 0;

        top: 50%;

        left: 50%;

        margin-right: -50%;

        transform: translate(-50%, -50%);

    }

    </style>

</head>

<body>

    <div id="metamap">

        <div id="map">

            <div id="crosshair"><img class="crosshair" src=crosshair.png /></div>

        </div>

    </div>

    <br />

    <hr />

    Latitude: <input type="text" id="txtLatitude" />

    <br /><br />

    Longitude: <input type="text" id="txtLongitude" />

        <script>

            // Initiate map

            var map = L.map('map');

            // load map

            L.tileLayer('//api.tiles.mapbox.com/v4/{id}/{z}/{x}/{y}.png?access\_token=pk.eyJ1IjoiY2xldmVsYW5kLW1ldHJvcGFya3MiLCJhIjoiWHRKaDhuRSJ9.FGqNSOHwiCr2dmTH2JTMAA', {

                maxZoom: 20,

                id: 'mapbox.satellite'

            }).addTo(map);

            // Now a function to populate our form with latitude and longitude values

            function onMapMove(e) {

                // txtLatitude.val(map.getCenter());

                var locale = map.getCenter();

                $('#txtLatitude').val(locale.lat);

                $('#txtLongitude').val(locale.lng);

            }

            // Boilerplate...

            function onLocationError(e) {

                alert(e.message);

            }

            // When the map moves we run our function up above

            map.on('move', onMapMove);

            // Boilerplate

            map.on('locationerror', onLocationError);

            // When we load the map, we should zoom to our current position using device geolocation

            map.locate({ setView: true, maxZoom: 20 });

        </script>

</body>

</html>

<body>

<div id="metamap">

<div id="map">

<div id="crosshair"><img class="crosshair" src=crosshair.png /></div>

        </div>

    </div>

<hr />

    Latitude: <input type="text" id="txtLatitude" />

    Longitude: <input type="text" id="txtLongitude" />

        <script>

            // Initiate map

            var map = L.map('map');

            // load map

            L.tileLayer('//api.tiles.mapbox.com/v4/{id}/{z}/{x}/{y}.png?access\_token=pk.eyJ1IjoiY2xldmVsYW5kLW1ldHJvcGFya3MiLCJhIjoiWHRKaDhuRSJ9.FGqNSOHwiCr2dmTH2JTMAA', {

                maxZoom: 20,

                id: 'mapbox.satellite'

            }).addTo(map);

            // Now a function to populate our form with latitude and longitude values

            function onMapMove(e) {

                // txtLatitude.val(map.getCenter());

                var locale = map.getCenter();

                $('#txtLatitude').val(locale.lat);

                $('#txtLongitude').val(locale.lng);

            }

            // Boilerplate...

            function onLocationError(e) {

                alert(e.message);

            }

            // When the map moves we run our function up above

            map.on('move', onMapMove);

            // Boilerplate

            map.on('locationerror', onLocationError);

            // When we load the map, we should zoom to our current position using device geolocation

            map.locate({ setView: true, maxZoom: 20 });

        </script>

</body>

</html>

<div class="col-sm-9">

<input type="text" name="long" id="long" value="">

<input type="text" name="lat" id="lat" value="">

<input type="button" onclick="getGeolocation()" />

<div id="dvMap" style="width: 400px; height: 200px">

</div>

<script type="text/javascript" src="https://maps.googleapis.com/maps/api/js?key=AIzaSyDsMiKqDK54UQRma7dXEFoNSEfX4Bn8f8g"></script>

<script type="text/javascript" src="https://www.googleapis.com/geolocation/v1/geolocate?key=AIzaSyDsMiKqDK54UQRma7dXEFoNSEfX4Bn8f8g"></script>

<script type="text/javascript">

function initialize() {

var canvas = $("#dvMap");

var latitude = "26.4536767";// document.getElementById('lat').value;

// alert(latitude);

var longitude = "80.2878686";// document.getElementById('long').value;

var latlng = new google.maps.LatLng(latitude, longitude);

var options = {

zoom: 8,

center: latlng,

mapTypeId: google.maps.MapTypeId.ROADMAP

};

var map = new google.maps.Map(canvas[0], options);

var marker = new google.maps.Marker({

position: new google.maps.LatLng(latitude, longitude),

map: map

});

}

var myVar;

$(function () {

getGeolocation();

myVar = setTimeout(initialize, 100);

//initialize();

});

</script>

@\*<script type="text/javascript">

function initGeolocation() {

if (navigator.geolocation) {

// Call getCurrentPosition with success and failure callbacks

navigator.geolocation.watchPosition(success, error);

// initialize();

}

else {

alert("Sorry, your browser does not support geolocation services.");

}

}

function success(position) {

alert("1");

document.getElementById('long').value = position.coords.longitude;

document.getElementById('lat').value = position.coords.latitude

}

function error(err) {

alert();

// Could not obtain location

}

</script>\*@

<script>

//const demo = document.getElementById('demo');

function error(error) {

//document.getElementById('long').value = `Failed to locate. Error: ${err.message}`;

switch (error.code) {

case error.PERMISSION\_DENIED:

alert("User denied the request for Geolocation.")

break;

case error.POSITION\_UNAVAILABLE:

alert("Location information is unavailable.")

break;

case error.TIMEOUT:

alert("The request to get user location timed out.")

break;

case error.UNKNOWN\_ERROR:

alert("An unknown error occurred.")

break;

}

}

function success(position) {

document.getElementById('long').value = position.coords.longitude;

document.getElementById('lat').value = position.coords.latitude

}

function getGeolocation() {

if (navigator.geolocation) {

document.getElementById('long').value = 'Locating…';

navigator.geolocation.watchPosition(success, error);

} else {

document.getElementById('long').value = 'Geolocation is not supported by this browser.';

}

}

</script>

</div>