**Technologies:**

* PHP 5.6.7
* MySQL 5.6
* CakePHP 3.0
* Jquery 2.1
* Stripe payment gateway/API integration
* Mandrill email integration
* Apache web server 2.4
* REDIS - Session Management 3.0

**Phase I:**

1. Home Page
2. Create the template – with header and footer that will go with all HTMLs
3. Demo Download of Sample Data
4. eDirectory Free Download
5. Web service Trial access
6. Home Page: Building the price table for each web service type
7. Home Page: Building prices table for each data type
8. Pricing Page: Building price table for data and Products tabs
9. Link the hyper links to the right form/page
   1. npidatalookup/data/npi\_data\_lookup\_complete\_nppes.html
   2. npidatalookup/data/npi\_data\_lookup\_nppes\_state\_data\_by\_individual\_states.html
   3. npidatalookup/data/npi\_data\_lookup\_specialty\_nppes\_data.html
   4. npidatalookup/product/npi\_data\_lookup\_healthcare\_providers\_e\_directory\_in\_pdf.html
10. Build the dynamic tables in the following forms:
    1. npidatalookup/data/npi\_data\_lookup\_complete\_nppes.html
    2. npidatalookup/data/npi\_data\_lookup\_nppes\_state\_data\_by\_individual\_states.html
    3. npidatalookup/data/npi\_data\_lookup\_specialty\_nppes\_data.html
    4. npidatalookup/product/npi\_data\_lookup\_healthcare\_providers\_e\_directory\_in\_pdf.html
    5. npidatalookup/product/npi\_data\_lookup\_nppes\_data\_webservices\_npi\_lookup\_trial.html
    6. npidatalookup/product/npi\_data\_lookup\_nppes\_data\_webservices\_npi\_lookup\_annual.html
11. Remove the following items from menu (Webservices=>Monthly and Quaterly Subscription)
    1. npidatalookup/product/npi\_data\_lookup\_nppes\_data\_webservices\_npi\_lookup\_monthly.html
    2. npidatalookup/product/npi\_data\_lookup\_nppes\_data\_webservices\_npi\_lookup\_quarterly.html
12. Sign-up Form
13. Sign-in Form
14. Forgot Password

**Phase II:**

1. Shopping cart - Data & eDirectory Flow and Webservice Subscription Flow and Coding
2. Payment Gateway integration - stripe
3. After the payment, update back-end tables and send out emails
4. Bring the customer back to the npidatadata.com website
5. Only for admin email ID [can be hard coded at back-end], should be able to see the CRUD of some of the tables - about 10 tables
6. Customer should be able to re-download the purchased products and view the web service subscription details when they login
7. Configurations: Mandrill details should be configured and read from a config file or a table
8. Emailids should be configured and read from a config file or a table

<I will provide the expanded requirement by next week>

**HOME PAGE:** The tables with rates are dynamic and coming mysql table

**Most Popular Data Plans**

* **Complete US NPI Data**

Table Name: products

Where clause: id=1

Price column: price

* **State-wise NPI Data**

Table Name: products

Where clause: id=2

Price column: price

* **Speciality-wise NPI Data**

Table Name: products

Where clause: id=106

Price column: price

* **NPI PDF eDirectory**

Table Name: products

Where clause: id=54

Price column: price

* **Download Sample or Free Download [Button]**
* When the user clicks it, show the forms - npidatalookup/customers/demo\_download.html
* Check the demodownload table to find out the user entered data and system generated data
* User entered data are email ID, First name, Last name and Organization name. Organization name is optional and remaining are mandatory. Front-end Form validations should be there.
* System generated fields are file name, ip address of the browser, timestamp added and modified, status
* File name mapping should be stored in an application configuration file or configuration table
  + - Sample\_All\_States.zip => Complete US NPI Data
    - Sample\_State.zip => State-wise NPI Data
    - Sample\_Specialty.zip => Specialty-wise NPI Data
    - EDIRECTORY\_Sample.zip => NPI PDF eDirectory
* After the record is added to the demodownload table, it should send out an email to an email id which is configured at the back-end
* **Show the Sample [Button]**

When the user clicks this button, it should open the file NPI-EDIRECTORY-SAMPLE.pdf

No need to gather any user details for this

* **Order Now [Button] - Phase 2**

**Most Popular Provider NPI Lookup Web Service Plans.**

* **Trial**

Table Name: webservice\_subscription\_types\_config

Where clause: webservice\_subscription\_types\_config\_id=4

Price column: webservice\_rate

Rate is for “/3 months”

* **Annually [100 hits/day]**

Table Name: webservice\_subscription\_types\_config

Where clause: webservice\_subscription\_types\_config\_id=1

Price column: webservice\_rate

Rate is for “/12 months”

* **Annually [200 hits/day]**

Table Name: webservice\_subscription\_types\_config

Where clause: webservice\_subscription\_types\_config\_id=2

Price column: webservice\_rate

Rate is for “/12 months”

* **Annually [400 hits/day]**

Table Name: webservice\_subscription\_types\_config

Where clause: webservice\_subscription\_types\_config\_id=3

Price column: webservice\_rate

Rate is for “/12 months”

*Note: Monthly and Quarterly in the design are not needed and can be replaced with the two new Annually plans.*

* **FREE TRIAL Button**
* When the button “FREE TRIAL” is clicked, bring-up the form -customers/web\_service\_free\_trial\_signup.html – This is not present, but it is similar to demodownnload form.
* Gather the following data from the form with front end form validations.

Customers. customers\_email\_address

Customers. customers\_firstname

Customers. customers\_lastname

Customers. customers\_company (optional)

* Customer with this emailID shouldn’t have a record in the webservice\_trial\_access. If it is already exists, show an error message – “This emailID has already subscribed the trial access” and show the form trial access registration form.
* If it is new EmailID, insert a new record to customers table and send-out an email to customer email id using the email template - registration\_mail.txt
* Insert a record to redis with the details
* Once the user validated the email id, insert a new record to webservice\_trial\_access table

webservice\_trial\_access .webservice\_trial\_customer\_id= Customers. customers\_email\_address

webservice\_trial\_access . license\_start\_date = current system time stamp

webservice\_trial\_access . license\_start\_date = Rounded up to 23:59:59 [current system time stamp + 3 calendar months]

webservice\_trial\_access . maximum\_number\_allowed\_hits=25000

* After the successfully inserting the new record to webservice\_trial\_access table, send out an email with the template - trial\_mail.txt

**Contact:**

* When the user clicks it, show the forms – npidatalookup/contactus/create.html
* Check the contactus table to find out the user entered data and system generated data
* User entered data are email ID, First name, Last name, Organization name, subject, prodservices and comments. Organization name is optional and remaining are mandatory. Front-end Form validations should be there.
* System generated fields are file name, ip address of the browser, timestamp added and modified, status
* When a record is added to the contact table, it should send out an email to an email id which is configured at the back-end

**Sign-up Form:**

npidatalookup/customers/register.html

* Only Email ID, Re-enter Email ID, First Name, Last Name and Company Name are mandatory. Remove all other fields from the sign-up form.
* On submit, perform form validation
* Email ID and Re-renter Email ID must be the same
* On clicking the REGISTER button, insert a record to customer table (with customers. customers\_access\_status=”DEACTIVE” and customers. customers\_email\_verified=0) and send an email with an link to the email id with the email template - registration\_mail.txt
* Insert a record to redis
* Show a message on the Web Page:
  + “A message has been sent to your email id: <EMAIL ID>. Please login into your email account to validate your email ID”
* Once customer clicks the link from the emailID inbox , the field customers. customers\_access\_status should be updated as “ACTIVE” and customers. customers\_email\_verified=1
* Insert a record to redis if needed
* Then take the user to “Sign-in” form page and show a message – “Your email ID has been validated” on just above the “Sign-In” form

**Sign-in Form:**

npidatalookup/customers/login.html

* Validate if the user customers. customers\_email\_address and customers. customers\_password are valid and if customers. customers\_access\_status =”ACTIVE” and customers. customers\_email\_verified=1
* Otherwise show a message “invalid access details. Re-enter, pls”
* If signed-in, show the first-name at the top right corner in the place of “SIGN-IN”
* Insert a record to redis

**Forgot Password:**

customers/forgot\_password\_screen.html

* Accept a validate email ID.
* If it doesn’t exist in the customers. customers\_email\_address, throw an error message – “Invalid email-id”
* If it is a validate email-id and the button –“Retrieve Password” is clicked, then send out an email with template forgot\_pass\_mail.txt
* Once the link in the email is clicked, show a form with two fields and one button
  + New Password
  + Re-enter New Password
  + Reset Button

**Sample Codes:**

If the customer is not logged in, the show the demodownload form, follow the demodown process before a user can download the sample codes.

Sample codes are available in the Sample code tabs in the following HTMLs.

npidatalookup/product/npi\_data\_lookup\_nppes\_data\_webservices\_npi\_lookup\_trial.html

npidatalookup/product/npi\_data\_lookup\_nppes\_data\_webservices\_npi\_lookup\_annual.html