This application is related to Automatic APIs system that can do real time online research in all over the web – in its entirety, identify and select the best or most lucrative affiliate and re-seller programs, information, news, current affairs or events, affiliate and re-seller products and/or services; create content - digital products (from news, information, current affairs or events collected) and post or distribute data, content, information, news in advertising and marketing format to various channels such as twitter, social media, Word Press.

Integrate the selected Affiliate, Re-seller, Social Media, WordPress APIs.

Create, integrate or connect the new system APIs from data crawling or scraping and/or created from API creator from the database, and manage all or entire APIs.

Create or build Web crawler or intelligent agent for extracting data from various websites and forums.

Create E-Commerce website for selling products created from/by this project system and other peoples products.

**Scope of work:**

THE APPLICATIONS OR TOOLS OR SOFTWARE ARE:

WebCrawler: REST API over web-based crawler/spider(s) for collection of data with GUI that can help user identify various actions such as specifying the start URL, Maximum URLs to be crawled, the way the crawling has to be done – breadth first or depth first.

Configuration to create multiple spiders to crawl over

web

Script to Search for products, affiliate programs offered

by industry, resellers, news, current affairs

Get data from affiliates, products, news, current affairs,

programs

Insert data into normalized database.

Logic to identifying unique product, programs and

updating in our system.

Logic to generate digital info like e-pdf, e-books, epub ..

Etc

PERIODIC SCHEDULER FOR SCRIPTS AND OTHER OPERATION WHEREVER NECESSARY.CUSTOM SCRIPTS GENERATOR AND TESTER FOR VARIATIONS FROM ONE WEBSITE TO ANOTHER INCLUDING BUT NOT LIMITED TO THE WEB-CRAWLER.

API(s) creator: to create API(s) and route or dispatch the API(s).

API Content Creator to create pdf, words, eBook or book or digital products, advertising and marketing materials through/via auto-posting through or via online outlets or channels or activities nodes.

API(s) connector: to connect API(s)

API(s) integrator: to integrate API(s)

API(s) manager or management: to manage API(s)

CREATION OF CUSTOM APIS SERVER WITH MULTIPLE END POINTS AND MULTIPLE CLIENTS: Shall reflect or be based on the type of data and database used.

CREATION OR BUILD A CUSTOM DATABASE: DATABASE shall be SQL and/or NOSQL that can process XML natively.

STORAGE: Shall be Structured, Semi-Structured and Un-Structured Data TYPE.

PAYMENT GATEWAY OR METHOD CHECK-OUT CART –STRIPE.

**Integrate or Connect or Configure APIs as Follows:**   
Business Partners APIs include Five (5) affiliate programs minimum. For examples Click Bank, Warrior Plus, JVzoo etc. SEE DETAIL G  
Business Partners APIs include Five (5) Re-seller programs minimum. Examples are Host-gator, PLR, [master-resale-rights.com](http://master-resale-rights.com/), PLR  
PLR Articles  
Article Builder

Seoreseller.com

Etc. SEE DETAIL G   
Integrate five (5) Public APIs minimum for advertising and marketing including the Twitter, WordPress, Instagram, Pinterest, Facebook.

Integrate or connect Catalog of APIs (14000 to 15000 APIs).

1. Create web crawler or intelligent agent for extracting content from websites and forum.

**MINIMUM VIABILITY AND ACCEPTABILITY: CRAWLING OR SCRAPING MUST IDENTIFY CHANGE(S). WE HAVE SELECTED AFFILIATE AND RE-SELLER PROGRAMS OR KNOWN AFFILIATE AND RE-SELLER PROGRAMS. AND WE HAVE UNKNOWN OR NEW OR PROSPECTIVE AFFILIATE AND RE-SELLER PROGRAMS TO BE DISCOVERED OR IDENTIFIED OR DETECTED OR DEFINED BY CRAWLING OR SCRAPING. ALSO THESE NEW AFFILIATE AND RE-SELLER PROGRAMS WILL BE INTEGRATED OR CONNECTED TO THIS SYSTEM WHEN IDENTIFIED. ALSO WE CAN ELIMINATE OLD AFFILIATE AND/OR RE-SELLER PROGRAMS. THUS WE HAVE A CONTINUOUS ADDITION AND/OR SUBTRACTION OF AFFILIATE AND RESELLER PROGRAMS WHICH IS PERIODIC –MAY BE DAILY OR WEEKLY OR BI-WEEKLY OR MONTHLY BUT THESE CHANGES IN AFFILIATE AND RESELLER PROGRAMS MUST BE IDENTIFIED BY CRAWLING OR COLLECTING DATA FROM THE WEB/INTERNET. CHANGES IN NEWS, INFO, CURRENT AFFAIRS OR EVENTS MUST BE IDENTIFIED OR DISCOVERED AT LEAST EVERY MORNING, AFTERNOON, EVENING AND NIGHT.THIS IS THE MAIN/PRIMARY CRAWLING OR SCRAPING. SO THERE MUST BE A WEB-CRAWLER OR INTELLIGENT AGENT TOOL OR APPLICATION OR PRODUCT AND NOT A SERVICE FOR THIS PROJECT/PROGRAM.**

**A CASE STUDY OR EXAMPLE OF A WEBCRAWLER IS** DIFFBOT.COM

2.) E-Commerce website with all standard features.

3.) API connection/integration.

4.) Push notification

5.) Chat bots implementation.

6.) Create or make Periodic scheduler for scripts and other operation wherever needed.

and custom scripts generator and tester for variations from one website to another including but not limited to the web-crawler.

7.) Provide data to customers through API see tasks or activities for the front-end/user..

8.) auto-extraction and auto-posting of data from public airwaves such as twitter, WordPress & social media.

9.) Payment gateway integration STRIPE.

**MINIMUM VIABILITY AND ACCEPTABILITY: CRAWLING OR SCRAPING MUST IDENTIFY CHANGE(S). WE HAVE SELECTED AFFILIATE AND RE-SELLER PROGRAMS OR KNOWN AFFILIATE AND RE-SELLER PROGRAMS. AND WE HAVE UNKNOWN OR NEW OR PROSPECTIVE AFFILIATE AND RE-SELLER PROGRAMS TO BE DISCOVERED OR IDENTIFIED OR DETECTED OR DEFINED BY CRAWLING OR SCRAPING. ALSO THESE NEW AFFILIATE AND RE-SELLER PROGRAMS WILL BE INTEGRATED OR CONNECTED TO THIS SYSTEM WHEN IDENTIFIED. ALSO WE CAN ELIMINATE OLD AFFILIATE AND/OR RE-SELLER PROGRAMS. THUS WE HAVE A CONTINUOUS ADDITION AND/OR SUBTRACTION OF AFFILIATE AND RESELLER PROGRAMS WHICH IS PERIODIC –MAY BE DAILY OR WEEKLY OR BI-WEEKLY OR MONTHLY BUT THESE CHANGES IN AFFILIATE AND RESELLER PROGRAMS MUST BE IDENTIFIED BY CRAWLING OR COLLECTING DATA FROM THE WEB/INTERNET. CHANGES IN NEWS, INFO, CURRENT AFFAIRS OR EVENTS MUST BE IDENTIFIED OR DISCOVERED AT LEAST EVERY MORNING, AFTERNOON, EVENING AND NIGHT.THIS IS THE MAIN/PRIMARY CRAWLING OR SCRAPING. SO THERE MUST BE A WEB-CRAWLER OR INTELLIGENT AGENT TOOL OR APPLICATION OR PRODUCT AND NOT A SERVICE FOR THIS PROJECT/PROGRAM.**

**A CASE STUDY OR EXAMPLE OF A WEBCRAWLER IS** DIFFBOT.COM

**Affiliate Programs:**

**Search or sort, logic to identify the best affiliate programs from data.**

1. Click Bank Affiliate Program -crawlable

Search or sort logic to identify or determine the best affiliate products under or from Click Bank .

Integrate Click Bank affiliate program to enable auto-extraction, auto-posting etc.

1. Jvzoo Affiliate Program -crawlable (API available but not for product)

Search or sort logic to identify or determine the best affiliate products under or from Jvzoo.

Integrate Jvzoo affiliate program to enable auto-extraction, auto-posting etc.

1. Yelp Affiliate Program - API available not crawlable

Search or sort logic to identify or determine the best Yelp affiliate products under or from Yelp.

Integrate Yelp affiliate program to enable auto-extraction, auto-posting etc.

4. Warrior/Warrior Affiliate Program/Forum-crawlable (NO API available)

Search or sort logic to identify or determine the best affiliate products under or from Warrior/Warrior Forum.

Integrate Warrior/Warrior Forum affiliate program to enable auto-extraction, auto-posting etc.

**Digital Products:**

1. E-zine Articles - (API available and crawlable too)

2. Warrior Forum – crawable (NO API available)

3. Auto Content Generator: example - wprobot

**Reseller Programs:**

**Search or sort, logic to identify the best Reseller Programs from data.**

Search or sort logic to identify or determine the best reseller products under or from Enomcentral.com

Integrate Enomcentral.com reseller program to enable auto-extraction, auto-posting etc.

Search or sort logic to identify or determine the best reseller products under or from Opensrs.com.

Integrate Opensrs.com reseller program to enable auto-extraction, auto-posting etc.

Search or sort logic to identify or determine the best reseller products under or from Hostgator.

Integrate Hostgator reseller program to enable auto-extraction, auto-posting etc.

***News, Information, Current Affairs or Events.***

*News, Information:*

*Logic to get news, info form our crawler driven results*

*API to update news, info from various sources*

***Current Affairs or Events.***

*Logic to get current affairs or events from our crawler driven results*

*Logic to update current affairs or events from various sources*

***Digital Products***

*Create or Build e-books, epub, pdf and books from news, information, current affairs or events in our*

*system.*

*API to provide information on products from our*

*System*

**Integration of Media outlets...five (5) Public APIs Minimum**

Features are auto-extraction, auto-posting and auto-blogging and auto-retrieval of comments/reviews.

Twitter

Instagram

Pinterest

Facebook

WordPress

Data transfer or migration software shall be used to enable or facilitate the transfer or migration or movement of structured, semi-structured and unstructured data to and from the application environment and the media outlets.

GENERAL TASKS OR ACTIVITIES FOR ANAGEMENT/ADMINISTRATION

Front-End users management including Login, Sign-up and Password.

Create user/modify user

Research or search all over the web API

Search or sort Affiliate programs API

Search or sort Affiliate Products API

Search or sort Re-Seller Programs API

Search or sort Re-Seller Products API

Search or sort or filter news, information, current affairs or events API

All items from various sources Tracking API

Products or Content Creator API to create pdf, words, eBook or book or digital products, advertising and marketing materials through/via auto-posting through or via online outlets or channels or activities nodes.

System program administration/management API

Free products download API

Email Marketing-Auto-Responding or Auto-Responder API

Premium products downloads API

Products payment method – cart API (STRIPE)

Advertising/marketing API

Advertisement/marketing tracking API (to know which advertisement works and which Advertisement does not work)

APIs catalog or repository

API Creator API

API Integrator API

API Connector API

API Manager API

Change, revise, modify API

Filters to sort by Product, Price, Affiliate Program, Affiliate Product, Reseller Program, Reseller Product, News, Information, Current Affairs or Events API.

Input, Retrieval or responses or answers or improvement to users or consumers or customers **comments, reviews, feedbacks, responses, questions/queries at the front-end API.**

**Admin Panel -**

**1. Login & Forgot Password**

Here, admin can login by credential and forget password.

**2. Update Profile**

Here, admin can update profile information.

**3. Change Password**

Here, admin can change his password to enter the old password and new password

With confirm password.

**4. Dashboard**

Here, we will display some information, which is required like user count etc.

**5. User Management**

Here, we will display list of registered user and here, admin can also delete user and

Enable and disable user. Also admin can update some basic user info.

**6. Content Creator**

Advertisement and marketing for media outlets

Auto-posting of marketing and advertisement

Search and sort through all or entire products.

Search and sort through all or entire news, info and current affairs or events

Create digital products – including PDFs, notes, e-books from news, info and current affairs or events

Free products downloads

Premium products downloads

Products tracking

Email marketing –auto email responder

Product payment method – STRIPE

Entire or Overall system management

Configure predefined criteria or questions or questionnaires and answers for chatbot

Creation of Input, Retrieval or responses or answers or improvement to users or consumers or customers **comments, reviews, feedbacks, responses, questions/queries at the front-end API.**

Here, admin can create, update and delete categories for digital products, re-seller products and

Affiliate products.

**7. Digital Product Management**

Here, admin can create, update and delete digital products i.e. e-books (PDF) which will

be available for user to buy. Admin can define price for the product as well.

**8. Affiliate Program Management**

Here, admin can update details i.e. credentials for different affiliate programs. Also

Admin can activate/deactivate particular affiliate program.

9. **Re-seller Program Management**

Here, admin can update details i.e. credentials for different re-seller programs. Also

Admin can activate/deactivate particular re-seller program.

10.News, Information, Current Affairs or Events **Program Management**

Here admin can Search or sort logic to identify or determine and update the topics, titles, keywords etc to be used for creating products such as digital products, *e-books, epub, pdf and books.*

**11. Affiliate Product List**

Here, admin can view list of products for particular affiliate program. If we get this

Information from API then we will show this information using API else we will scrap the

Product information.

**12. Re-seller Product List**

Here, admin can view list of products for particular Re-seller program. If we get this

information from API then we will show this information using API else we will scrap the

product information.

**13.Digital Product List**

Here, admin can view list of digital products created from news, information, current affairs or events. The created digital products API can be routed or dispatched to the user front-end and online nodes or outlets such as Twitter, WordPress and Social Media.

**12. Order Management**

Here, admin can view list of orders placed by users.

**13. Payment Gateway Integration**

Here, we will integrate the STRIPE payment gateway.

**14. Payment History**

Here, admin can view payment made by users.

**15. Reports**

Here, admin can view different type of reports i.e. sales report, order report etc.

**Email Configuration**

Subscribe email

Unsubscribe email

Auto responders

Send emails to all users in database / selected users

Email viewer for content marketing

GENERAL TASKS OR ACTIVITIES FOR FRONT-END USERS.

Research or search all over the web API

Search or sort Affiliate programs API

Search or sort Affiliate Products API

Search or sort re-seller programs API

Search or sort re-seller products API

Search or sort or filter news, information, current affairs or events API

Free products download API

Premium products downloads API

**leave comments, reviews, feedbacks, responses, questions/queries API (Consumers/customers or Users shall be able to leave comments, reviews, feedbacks, responses, questions/queries)**

Filters to sort by Product, Price, Affiliate Program, Affiliate Product, Reseller Program, Reseller Product, News, Information, Current Affairs or Events API

Products payment method – cart API (STRIPE)

APIs catalog or repository

Add to Cart

Wishlist

**Front –End Design Descriptions and Elements.**

**Customers or consumers can search or sort data (affiliate and reseller programs/products and news, info, current affairs or events +digital products + >5% other data) accessible to them(see front-end) including other people’s products (affiliate and reseller products) and digital products created by/from (news, info ,current affairs or events) shown through Tweet-like user-interface.**

NO sign-up or registration or joining for searching or sorting or surfing the e-commerce website EXCEPT for product downloading/downloads (free or giveaway and premium product downloads) ONLY.

**Chat Bots can be used in front end for basic interactions with user, we will feed basic set of instructions and chat bots will answer accordingly.**

**This system will have chat support system in which user or customer will ask his general queries and your CSR (Customer support representative) will answer them. Chat bots can be implemented but we have to configure them with our predefined user’s inputs. YOU NEED PREDEFINED CRITERIA OR QUESTIONNAIRE TO GENERATE OR ELICIT OR DRAW OUT OR GET INPUT FROM THE USER.**

**Develop complete E-Commerce website for selling our own products, AFFILIATE AND RESELLER products, users will purchase our products and affiliate/reseller products buyers will be directed or redirect to their respective websites.**

**This system shall have push notification such as iZooto, Google push notification, accengage which can extend to web-browser.**

**Consumers/customers or Users shall be able to leave comments, reviews, feedbacks, responses, questions/queries.**

**Developer is encouraged to extend and weave the chat bot and push notification with content and posting materials wherever possible.**

**We had reviewed twitter API for keywords search and found that twitter allows users to search by any keywords in their database and in response, it returns all tweets which contain that keyword so we have to run API and store the data to our database. Also, we will require to scheduled tasks which are accessible to users to run frequently to store data to our database.**

**Since we are selling our products and affiliate/re-seller’s products on our Tweet-Like user interface, we may need to develop custom product entry forms for inserting products to our database.**

**Thus information or data that pertains to the specific affiliate and re-seller products may have to be stored in the database.**

**Users or costumers will view data through our tweet-like user interface where they can purchase our and/or affiliate/re-seller products.**

**We need to keep in mind that application are no longer tied to the desktop and that the prospective website (e-commerce) will work in all devices and this will depend on clients who are using these data/ API. Here again we can review twitter bootstrap!**

**1. Catalogue for Digital Products**

Here, user can view list of categories and digital products based on selected categories.

**2. Catalogue for affiliate products**

Here, user can view list of categories and affiliate products based on selected

categories. User will be redirected to related website when user click on any product to

buy.

**3. Catalogue for Re-seller products**

Here, user can view list of categories and reseller products based on selected

categories. User will be redirected to related website when user click on any product to

buy.

**4. Login & Forgot Password**

NO sign-up or registration or joining for searching or sorting or surfing the e-commerce website EXCEPT for product downloading/downloads (free or giveaway and premium product downloads) ONLY.

**5. User Registration**

Here, user can complete the registration process

**6. Cart**

Here, user can add/delete digital products in cart to buy. Also user can

Increase/decrease quantity.

**7. Checkout**

Here, user can check-out the digital product added into cart and make the payment to

Download it.

**8. Search Products**

Here, user can search for particular product. We will show list of products based on

Search criteria. Once user click on any products from list then we will redirect him/her on

Product details page from where he/she can buy that product.

**9. Static Pages**

We will have following static pages which will be manageable from admin:

● About Us

● Contact Us

● Terms & Conditions

LIST OF FEATURES

Posting/ Distributing/Sharing the fetched data

Joining or Building email list functionality

Sourcing/ categorize/ analyzing data

Advertise/market the selected profitable affiliate products and/or service through or via the outlets and channel

Sourcing or sorting the research information into notes, blogs, pdf, words, e-book

Create pdf, words, e-book or digital products advertising and marketing through outlets

Free products give away/incentive for email list building

Products or services sell for profit

Sign up to get contact information

Integrate API’s of Word-Press, Twitter, RSS Feeds, Blog and other social Medias

Fetch 14000 or 15000 API’s and integrate in web app.

Create UI similar to tweet (not twitter)

Direct payment gateway integration

Real time online search functionality

Extracting data, content, news, information, current affairs or events from all over the web in real time

Leave comments, feedback, response, reviews

Store all the search data in database for filtering or sorting purpose

Auto-Extraction

Auto-Posting

Auto-Retrieval

Auto-Blogging

Auto-Prediction

Auto-Completion

**GENERAL NOTES**

Integrate affiliate programs, reseller programs and public APIs (Twitter, WordPress, social media) where accounts are NOT required.

Where accounts are required and you need help, send the specific programs to me and I will follow-up.

Please investigate this at the start or beginning of work and not at the end or completion of work.

**14000 to 1500 Public Domain APIs**

**How to get them:**

Use import.io or crawling or scraping of the public domain APIs since we are crawling or scraping the internet or web.

**Where to get the 14000 to 15000 APIs**

programmableweb.com

apis.guru/openapi-directory

nordicapis.com/api-discovery-15-ways-to-find-api

aapi.io/apis/

<https://any-api.com> - **Documentation and Test Consoles for Public APIs**

<https://datafire.io> - **allows you to process and transfer data between APIs, databases, and more**

**gsma.com**

**CUSTOM WEB APPLICATION REFERENCES ARE:**

Web-crawler see or check DiffBot.com

Affiliate/reseller marketing and integration, auto-extraction, auto-posting, auto-blogging see or check WPRobot.net

Frond-End UI/UX see or check Tweeter/Re-Tweet and NOT Twitter.

Contentful

(Scrappy, Google's APIs)

Google’ APIs

Disqus.

Stripe or other payment system

AYLIEN

WPRobot.net