

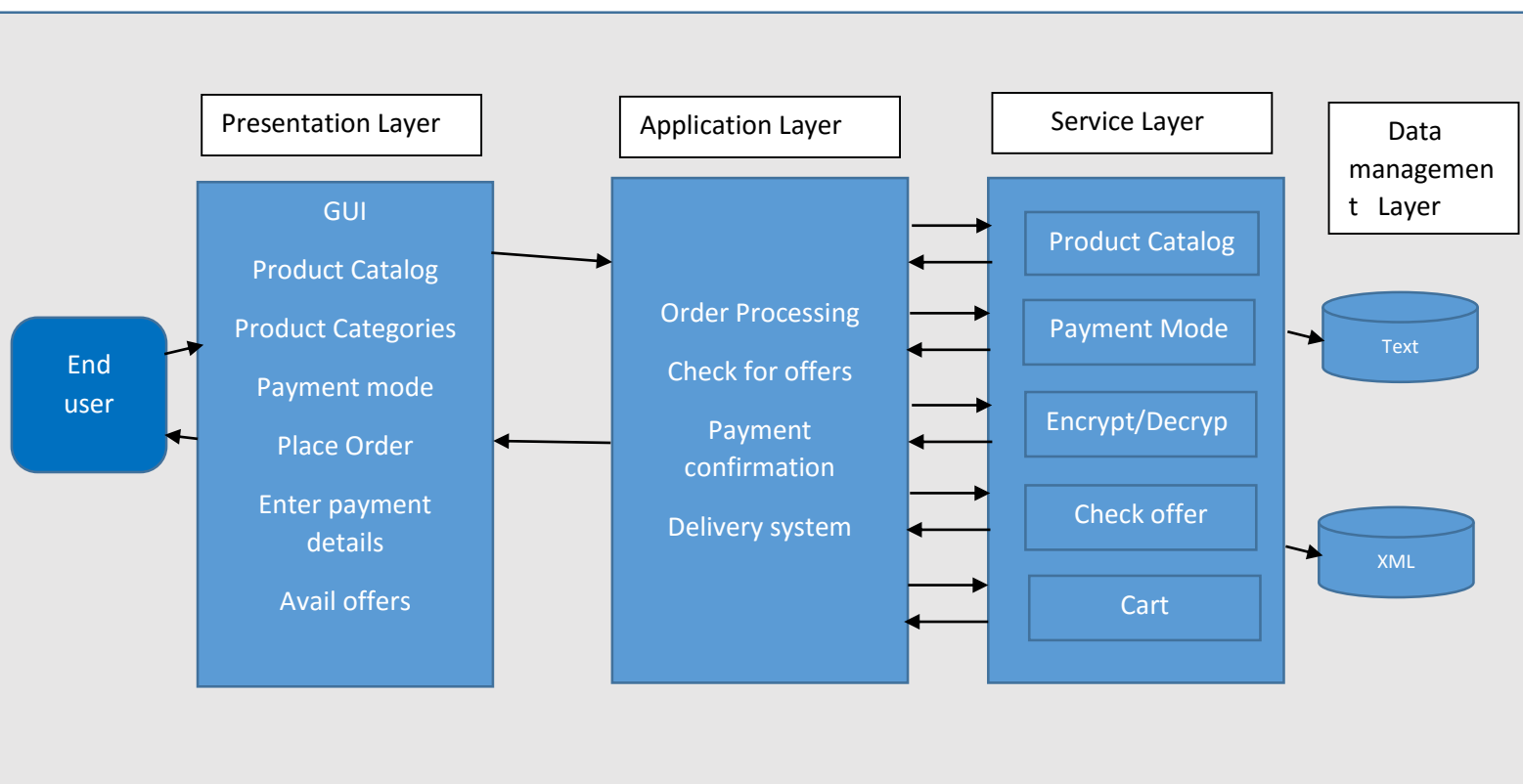
# Assignment 3

## Answer1

**Answer 1.1:** I am planning to develop “online shopping portal”. The system consists of buyer. The buyer access the application. He application provider provides various services to the buyer. The services include payment method (Debit Card, Credit card, Online Banking), encryption/decryption of the data, product categories, product catalog, delivery system, coupon and offers, shopping cart.

**Answer 1.2:**

### Online Shopping Portal



**Answer 1.3:**

This page is deployed at: Phase 2				
This page is developed by : Sri Venkata Subramaniyan				
Provid er name	Service name: i/p, O/P	Try It Link	Service Description	Resources needed
Sri Venka t	Cart: I/p: Item, Quantity. o/p: Object	Try It	Similar to shopping cart	Library and Local resources

<b>Sri Venkat</b>	Encrypt: i/p: string. Output: encrypted string	<b>Try It</b>	Cipher encryption	<a href="http://venus.eas.asu.edu/WSRepository/Services/EncryptionWcf/Service.svc">http://venus.eas.asu.edu/WSRepository/Services/EncryptionWcf/Service.svc</a>
<b>Sri Venkat</b>	Decrypt: i/p: encoded string. O/p: Decoded string	<b>Try it</b>	Cipher decryption	<a href="http://venus.eas.asu.edu/WSRepository/Services/EncryptionWcf/Service.svc">http://venus.eas.asu.edu/WSRepository/Services/EncryptionWcf/Service.svc</a>
<b>Sri Venkat</b>	Login: i/p : string: login, string: password. O/P: boolean	<b>Try it</b>	Login page. Return true if successful. Return false if failed	<a href="#">Local service</a>
<b>Sri Venkat</b>	Check offer: i/p: String: product. O/P: String	<b>Try it</b>	Check for the offers in the mentioned product	<a href="#">Local service</a>
<b>Sri Venkat</b>	textPhone: i/p: String: Phone. o/p: boolean	<b>Try It</b>	Text to phone after order confirmation. Return true if successfully sent the message. False if not.	<a href="#">Use Google carrier services</a>
<b>Sri Venkat</b>	Payment: i/p: String: payment mode, int: money. O/p: boolean	<b>Try It</b>	The payment mode and the amount is received. Check the card details and return true if successful.	<a href="#">Local service</a>

## Answer 2:

2.1: I have implemented 2 required services in the single file: Assignment3Webservices. The following web services are implemented:

`String removeStopWords(String input)` : This will remove the following stop words from the given sentence: “ a about above after again against all am an and any are aren't as at be because been before being below between both but by can't cannot could couldn't did didn't do does doesn't doing don't down during each few for from further had hadn't has hasn't have haven't having he he'd he'll he's her here here's hers herself him himself is how how's i i'd i'll i'm i've if in into is isn't it it's its itself let's me more most mustn't my myself no nor not of off on once only or other ought our ours ourselves out over own same shan't she she'd she'll she's should shouldn't so some such than that that's the their theirs them themselves then there there's these they they'd they'll they're they've this those through to too under until up very was wasn't we we'd we'll we're we've were weren't what what's when when's where where's which while who who's whom why why's with won't would wouldn't you you'd you'll you're you've your yours yourself ” . Also the html tags will be removed.

`string[] top10WordsRegex(string str)` : This function will return the top 10 words in the given web page. The web service

<http://venus.eas.asu.edu/WsRepository/Services/Web2StringSVC/Service.svc> is used to read contents from a web page.

URL for Webservices:

**<http://localhost:2344/Service.svc>**

2.2: Both these web services have been deployed and use in the same web page. Required Services Try It Link [Please note that you need to start the web services first]:

**<http://localhost:2438/WebForm1.aspx>**