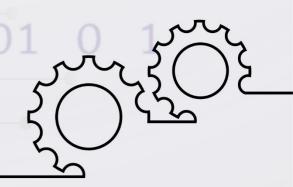
SIMATS School of Engineering

Internet Programming

01 0 1 00 011

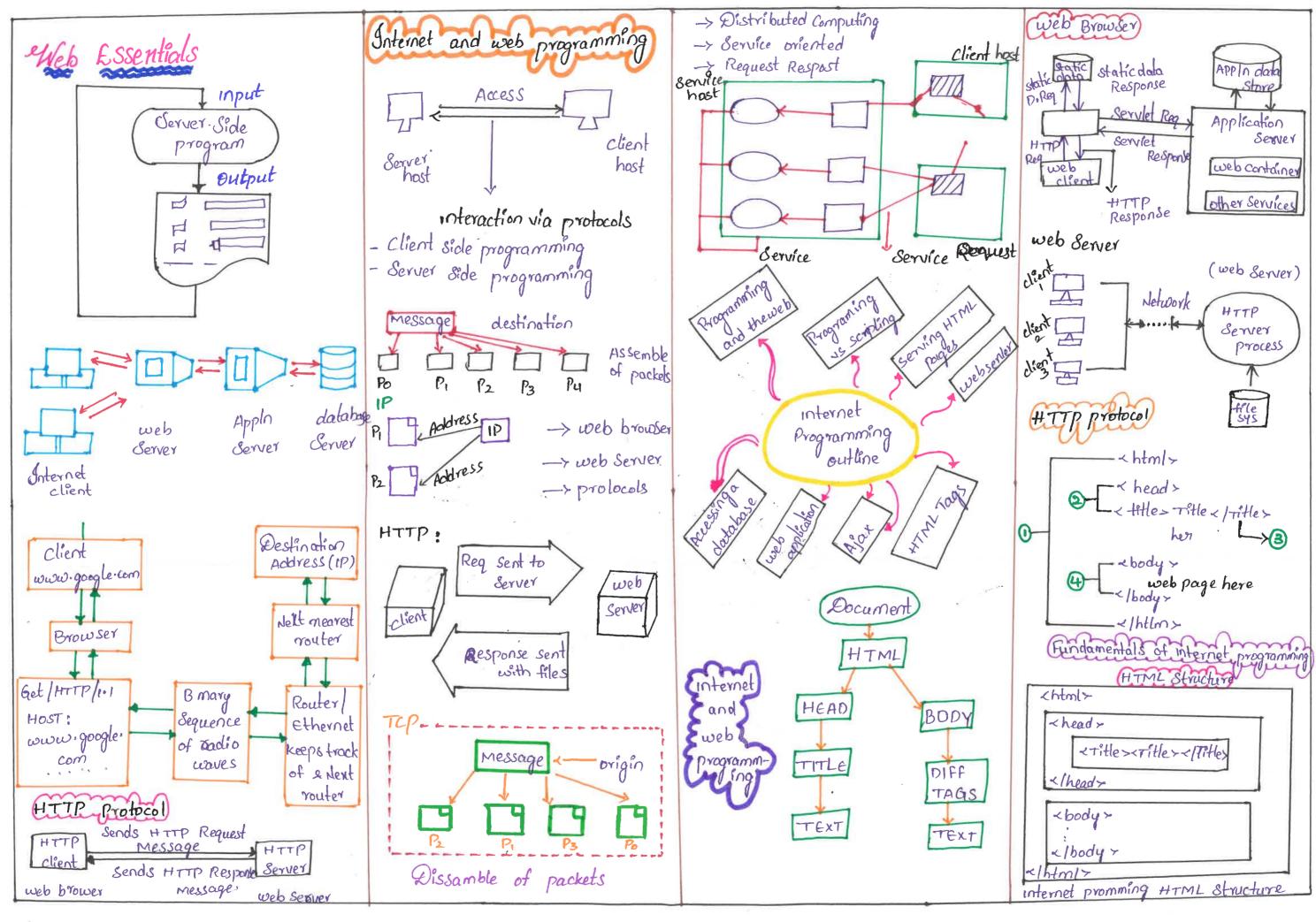
Computer Science and Engineering

01 0 1 00 011

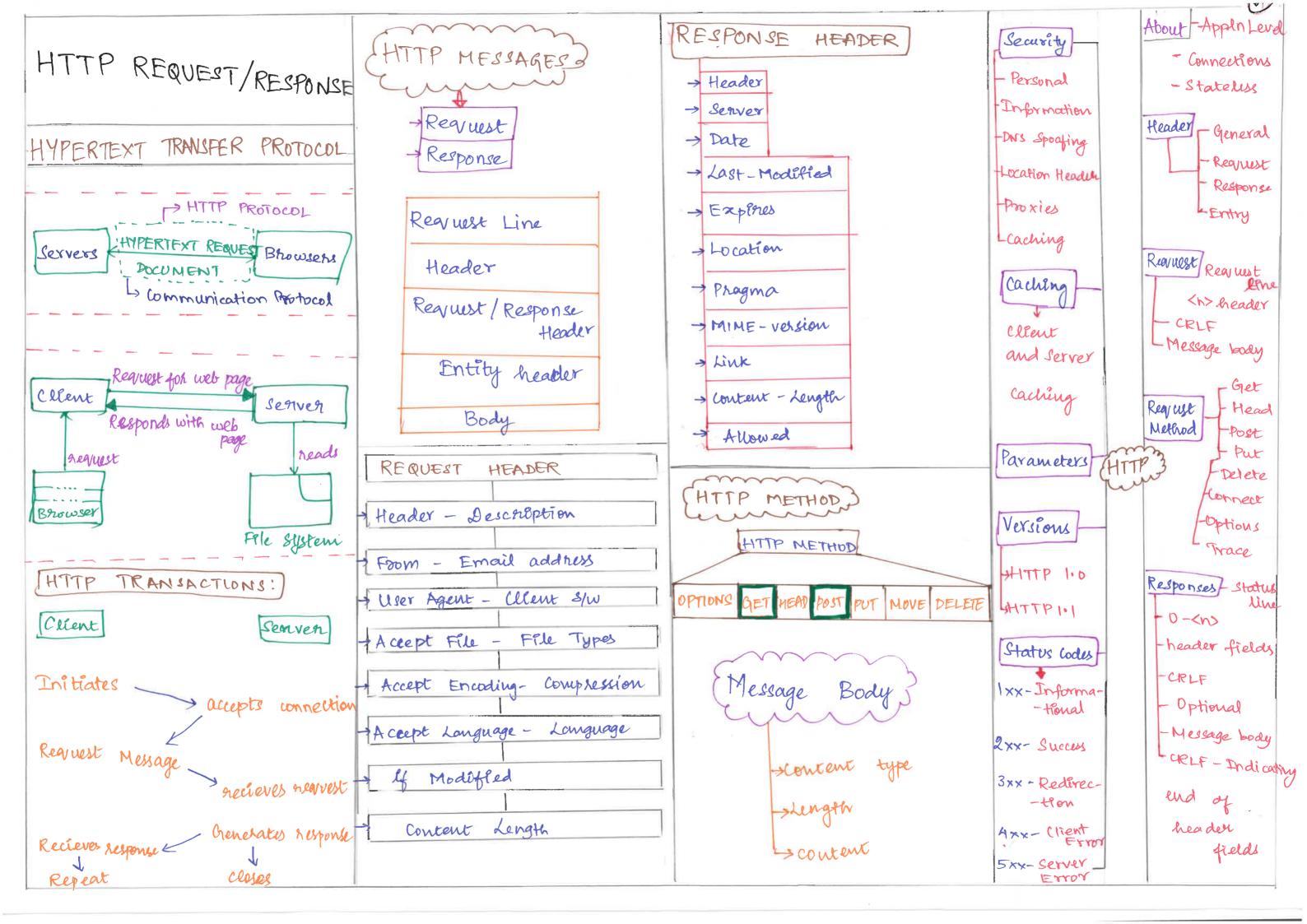


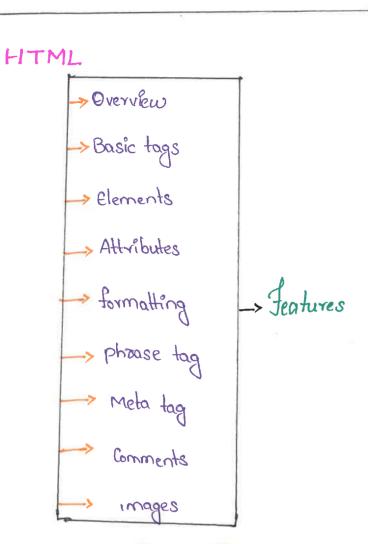
0101

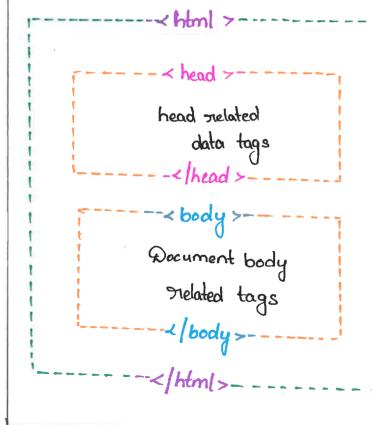
Saveetha Institute of Medical And Technical Sciences, Chennai.



(1)







DECLARATION

<! DOC TYPE Html>

Jasic tago

Heading tag -> six levels

<h6></h6>	<h5></h5>	<h4>></h4>	<h3></h3>	<h2></h2>	ehi>	

Jaragraph tag <P>

Line break

Centering < center>

horizontal line

Preserving format <Pne>

abbreviation <abba>

address element < adolress >

Code

<code>

Tresource Dieference

< link >

Non breaking Space <nbsp>

ATTRIBUTES

id Title class style

Internationalized Attribute

dir	lang	XML lang

Generic Altribute

backgroun (UR		ρΥ	class	
align	valign	જી		width height

tormattin

2b> ---- Italic 21> ---- </1> underlined <u>---</u>

<strike> - - - - < /strike>

Superscript < Sup> - --- < /sub>

Subscript 2sub> ---- & Sub>

Delet ---- < Idel>

grouping 2 div> ---- < /div>

Content & span> ---- < /8 pan>

Phrase Tag

Emphasized ---- < | em> Marked text <mark>----</mark> Strong text < strong> --- /strong>

Links + formatting

Anchor text < ahref = " " > ... user -> Specific document < a name = "name">----

 $u8e\mu \rightarrow d^2v$ element < a href = "# name > ... < /a>

Outgoing mail -> e-mail

< a href = " mail to : ">---- < /a >

Phone Number clickable ----

Image (+ formatting)

mage <ing/> sac = "ual"

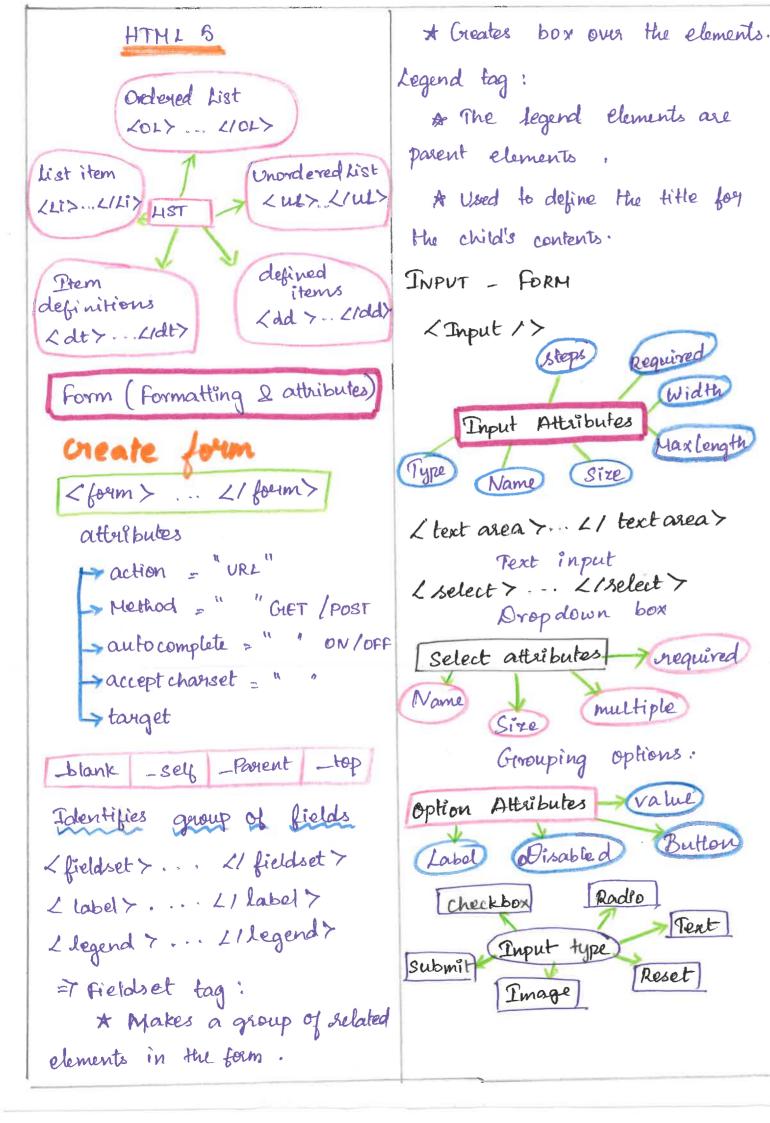
image content alt = "text"

mage height height: image width width = " "

alignment align = " "

Spacing

Booder Style Border = " "

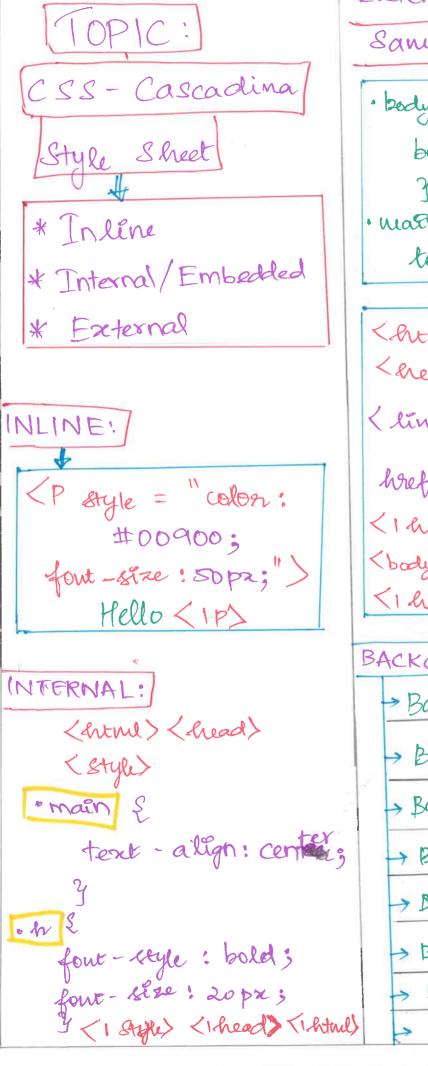


```
L'object > L'object >
 Input tag attributes
                           Range
                                        file type - embed (audio,
 email
                         Search
         (VRL)
                 Number
                                      width = " " width of object
TABLE :
                                      warmap = " " client stale image
                                      heigtht: " height of objects
Cereate table:
    2 table> ... 21 table>
                                      type = " type of media.
Set each now => Ltr> ... 2/tr>
                                      FRAMES:
     each cell => Ltd> ... L/td>
     table heading => Lth>.... 21th>
                                      Liframe > ... 21 iframe>
                                      an inline frame document.
 Table attributes:
                                      Attributes:
  Ltable bouder = ? > > cell width
                                      sonc = " URL of the object
  Ltable cellspacing = ?> => space b/w cells
                                      width = " " width of frame
  Ltable cell pading =?>=> space blw
                                      name: " have of frame
  Ltable width = ?>=> in pixels
                                       sucdoc = " " html content within
  Ltr align = ? > => alignment (left/
                    right/center)
                                       Lembed > ... Llembed>
  Ltr valign = ?> = vertical alignment
                                       Container - another -
             (top/middle /bottom)
                                      external application.
  Itd rowspan =? > =7 no. of rows
                                       Lparam /> adds extra
  Ltd colspan =? >=> colgumn murge
                                      Lheader 7 ... LI header >
  Itd viouspan = ?>=>prevent line
                                        header block for document
                     within cells
                                      Lmain 7 ... L/main>
  Lcaption > ... L/Caption>=7
                        Description of
                                         main content of a document
                           tables
  Lthead > ... 2/thead>
                                      Lasidez .... Llasidez
     of header dabels the column
                                        content contained in side bag
 LHooty ... LItfooty
                                       Larticle > ... 21 article>
      =7 footer
                  content
                                        identifiers.
 Lcolgroup>... L/Colgroup>
      => Group Columns.
```

video, Pdf)

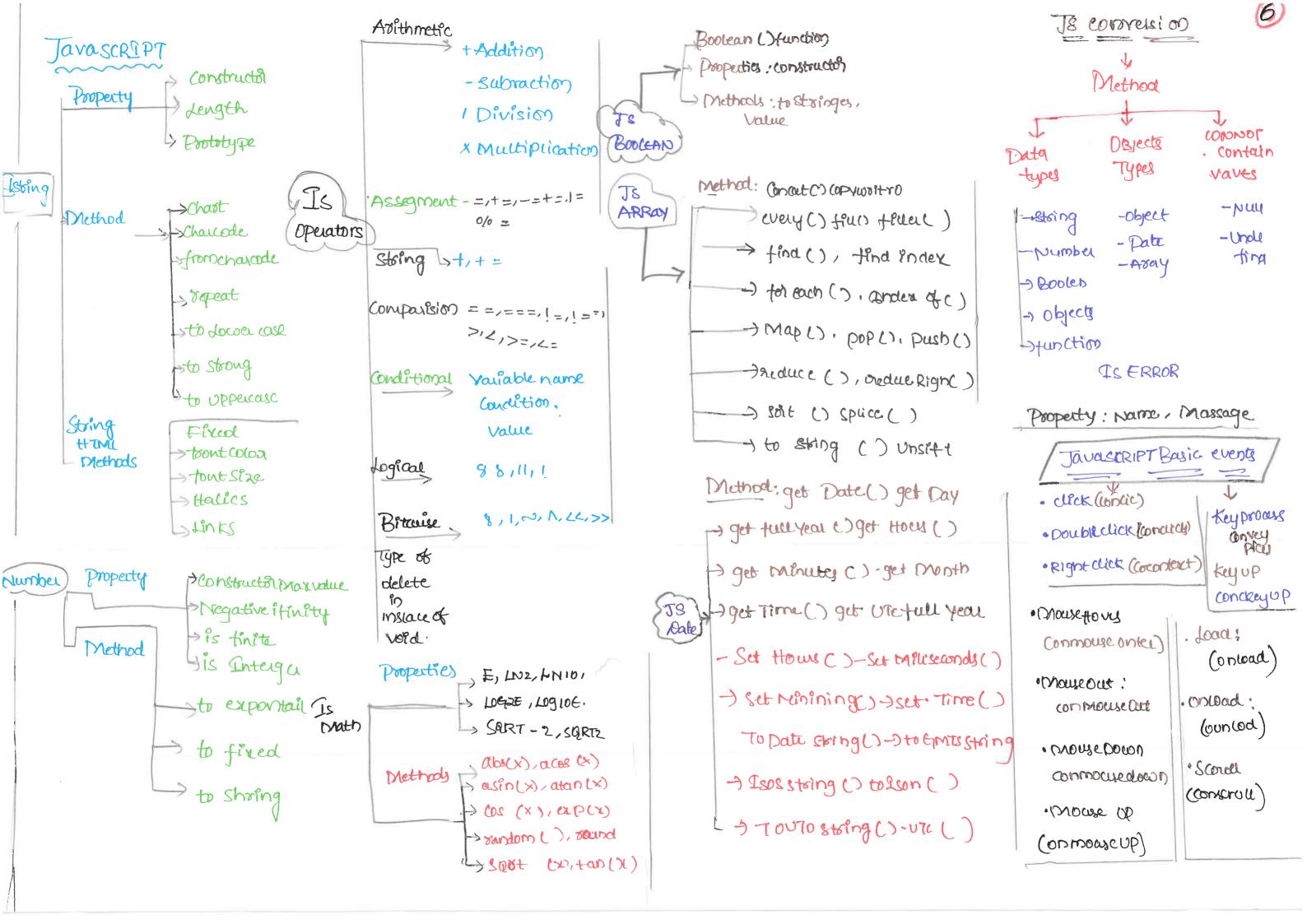
the frame.

parameter



```
External CSS
Sample CSS
· body &
   background - color: blue;
· warn &
   text-align: center; 3
 < html>
 < gread >
< link rel = "Style sheet"
 bref = "Sample. CSS"/>
< 1 head>
<body> Hello < 1 body>
 < 1 detul>
BACKGROUND
 > Background - Image
 - Background - Position
 - Background - Size
  - Background - nepeat
  - Background - attachment
  > Background - origin
                     Clip
  > Background -
  > Backghound -
                      color
```

```
Border - Bottom: width
BACKGROUND - IMAGE
                             Border -Break: width
   Une / gradients / none
                             CSS-Margin:
                                Margin - top/ Margin - bottom
BACKGROUND - SIZE
                                Margin-right / Margin-left
  auto / cover/contain
                              CSS Box Model
                                      Hargin 111
BACKGROUND - REPEAT
                                      Content /
  hepeat / repeat -x/ hepeat-Y/
                                      Padding
       NO-lepeat
                              CSS outline
 BACKGROUND - ATTACHMENT
                                outline - style
   Scroll/fixed/local
                                - outline - colon
                                - outline - width
  BACKGROUND - ORIGIN
                                , outline - first
  Border-box / Paddling box /
                              CSS Text:
     Content-box
                                -) Text ColoUY
                                Text allignment
  BACKGROUND- ELIP
                                > Text decoration
  border-box/Paddling
                                > Text transformation
                                - Text spacing
    BORDER
                                - Text shadon
  Border - width
                               CSS website layout
  then/ Medium/thick length
                                 > 1- column
  Border - Style
                                 -> 2- column
                                 -> 3- column
  > none / hudden/dotted
  dashed/solid/double
                               CSS Math Functions
  2 ghoove/ ridge / inset/outset
                                 - cale ()
   Border-colour: Colone
                                  - max ()
   Border - left - width
                                  > min()
```



Function add an event

NyMC. add Event Listener (Mouse Event.

CHCK, Click Handley X);

Syntax:/pattern/modifiers:

-Syntax:/pattern/modifiers:
-Brackets []
-Meta character /w \w \d

Qualifiers: nt n* n? NSxy

Properties: Constructor global ignore close tast index multiline Source

Method: * Compiler)

- * Exe ()
- * text c)
- * to string ()

DHTM: Dynamic Hyper Teat

Markup Language.

* Used to create interactive and animated web pages that are generated in real time.

* When Dynamic web pages are accessed, the code within the page is analyzed on the websence.

* Then, the cresulting HTHL is sent to the client's web browsen.

Advantages:

- => can make dynamic documents
- Designer can control
- >> Can position any element in window.

Components of DATHL:

- => Conventional HTHL
- -> Scripts small programs Javascript
- > DOM
- > CSS
- of HTML 4.0

Features of DHTML

- -> Create web dynamically
- > Dynamic Style
- => Feature of code remability
- > Browsers for data binding
- > Early change tags.
- sites and web pages.

DHTHL JavaScript:

Document. write () method.

Document. write a method of Javascript writes the output to a web page.

JavaScript and HTML event:

Use alert () method in which we type the data () function.

Java Script and HTHL DOM:

We type a code of javascript in the Lbody > tag.

CSS with Javascript in DHTML

Version 4 of HTHL, Janascri
-pt roade roan change style
i.e., Colour, size, 4 face of
on HTHL document.

doctament. get Element By Id ("demo)

Style property = new value

PHML CSS.

and HTML DOM

- * this. style-property = new. style
- * clocument. get Flement By Id (id)
- * Style. property = new_style.

eg: this. style color = 'blue'

DHTML Events:

- 1. Click a button
- 2. Submitting a four
- 3. An image loading or a web page loading, etc..

<

Events:

- 1. On abort
- 2. Onblur
- 3. Onchange
- 4. Onclick
- 5. Ondblclick <
- 6. On focus
- 7. onkeydown
- 8. Onkey press
- 9. On key up
- 10. Onload
- 11. on mouse down
- 6. On mouse move -
- 13. On mouse over
- lh. on mouse out
- 15. On mouse up
- 16. On reset.

Java Script DOM

(DOM) Shows how to manipulate.

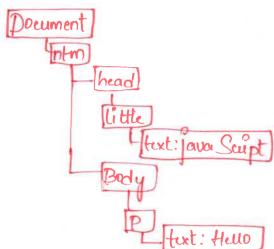
DOM elements effectively.

SECTION-I (DOM is an apply.

Programming interference API

for manipulating HIML

Documents



SECTION-2 Selecting Elements

> get Element By Id() Select By an Element by 1

> get Element By Name Sclect an Element by Name.

> get Element By Tag Name ()
Select an Element By Tag Name.

> Efet Element By Class Name ()
By one. a more Classes

> Qury Select a()

Section 3! Transveing Elements

> Get the Parent - Get the Parent node

> Get Child Clements Children of the node.

> Get Sibling of an Clement-- Siblings of an Clement-

Section: 4: Manipulating Clements

> Create Etement ()

> append child C)

> Text Content:

> Inna HTML

> Inna HTML vs Grate Clement

> Document Dayment

> Enseit Befac.

> Priset After Helper function

> append ()

> pupared ()

> Insut adjacent HTML()

> Replace Child

> Clone node ()

> Remove Child () Removes Child node.

Section 5: Waling with Attributus

> HTML Attributes & DOM Objects proputies

> Set Attribute U Set Value-fa Attribute

> Get Attribute () Get Value of Specified Attributes

> Remove Attribute

> Has Attribute.

Section: 6 Manipulating Element's Styles

3 Style property - Sit inline Styles of an Element

? Get Computed Style - Return Computed Style

> Gas Name property - lest of Space Separated

> Class list property - CSS Class manipulate

> Clements width & Height - width & Height

Section: 7 Waking with Gentle

> Java . Script : Events

> Handling Grents

> Page load Grents

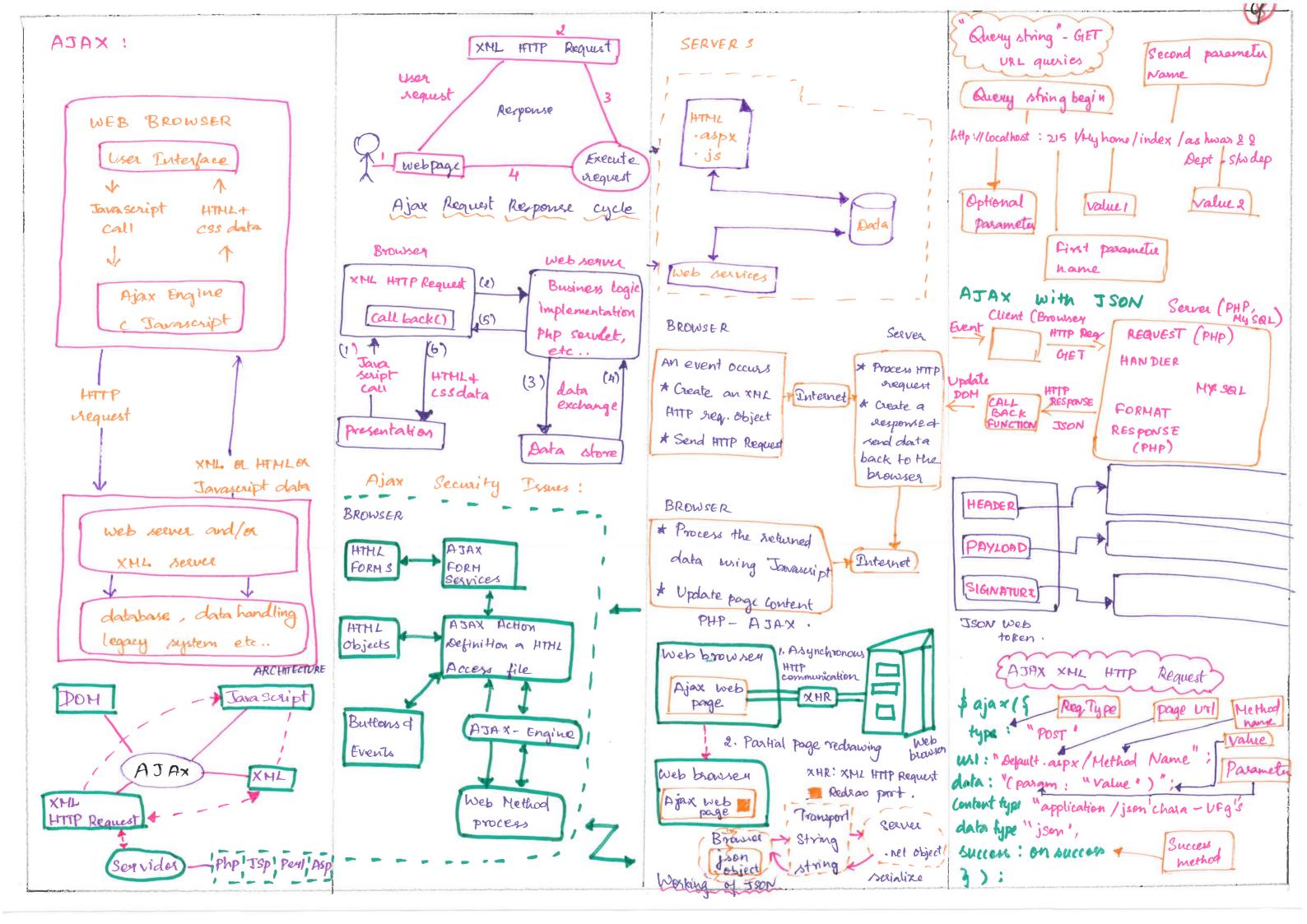
> DOM Content Coaded.

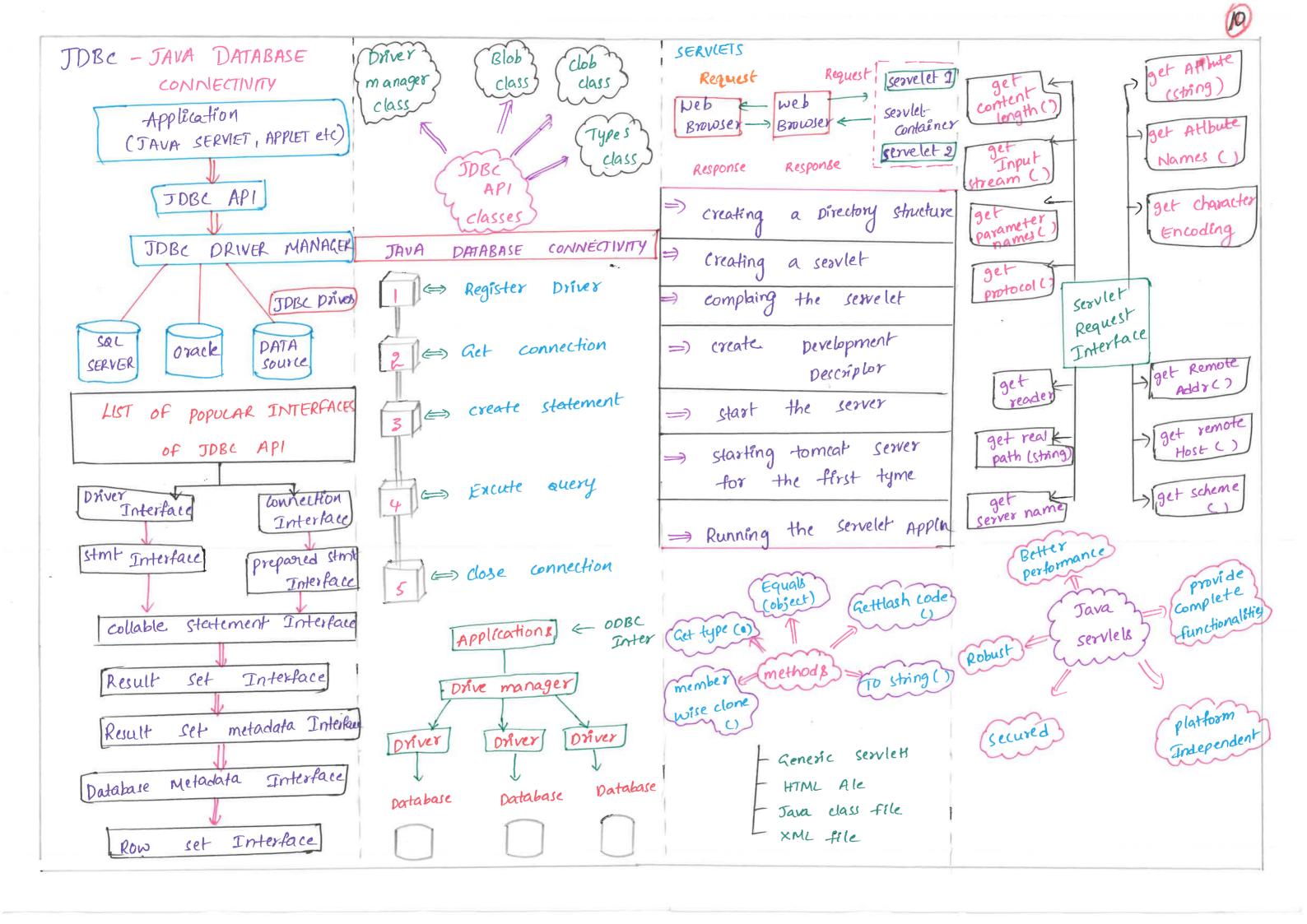
> Mouse Grent

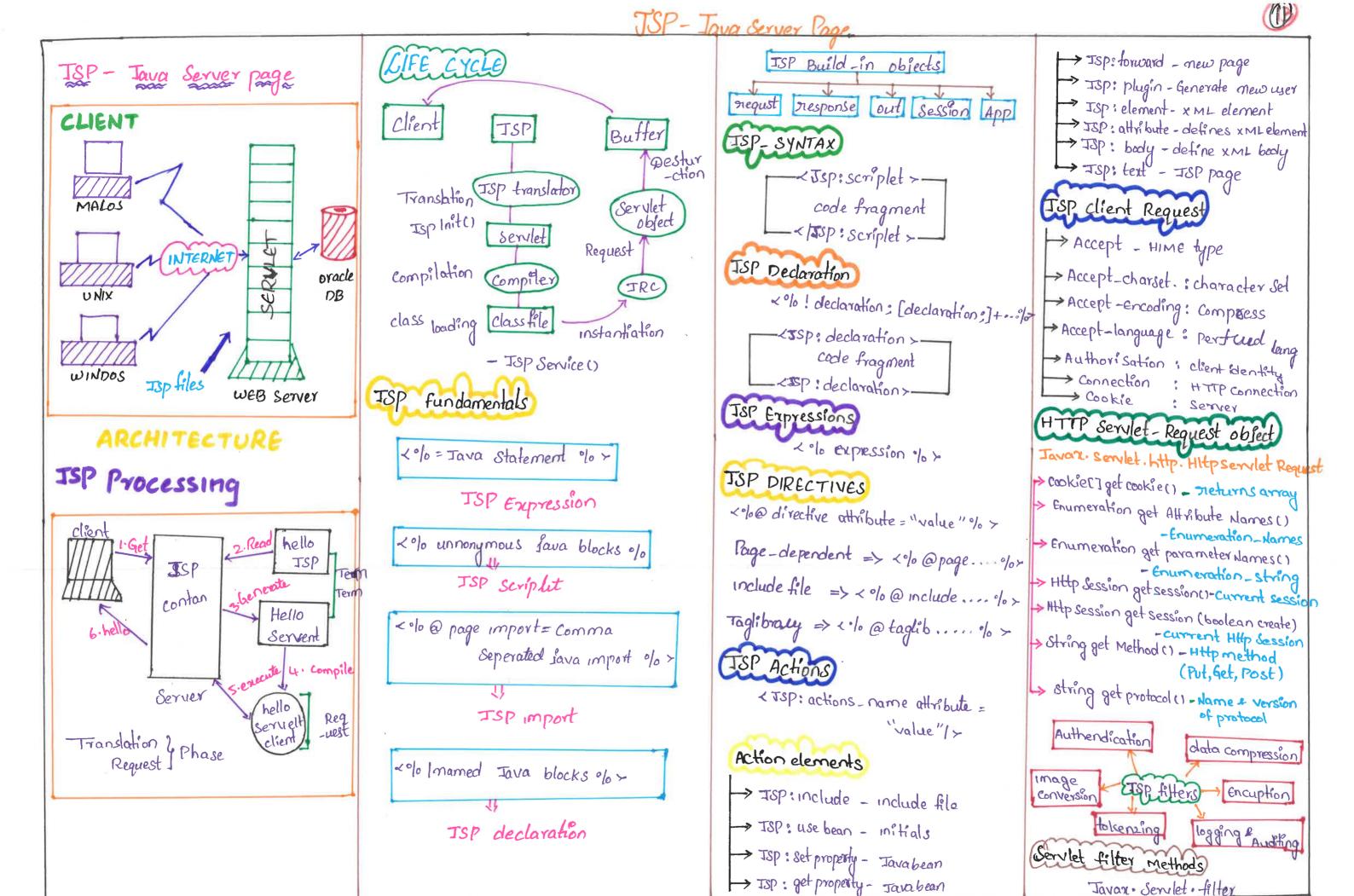
> Ly Board Great.

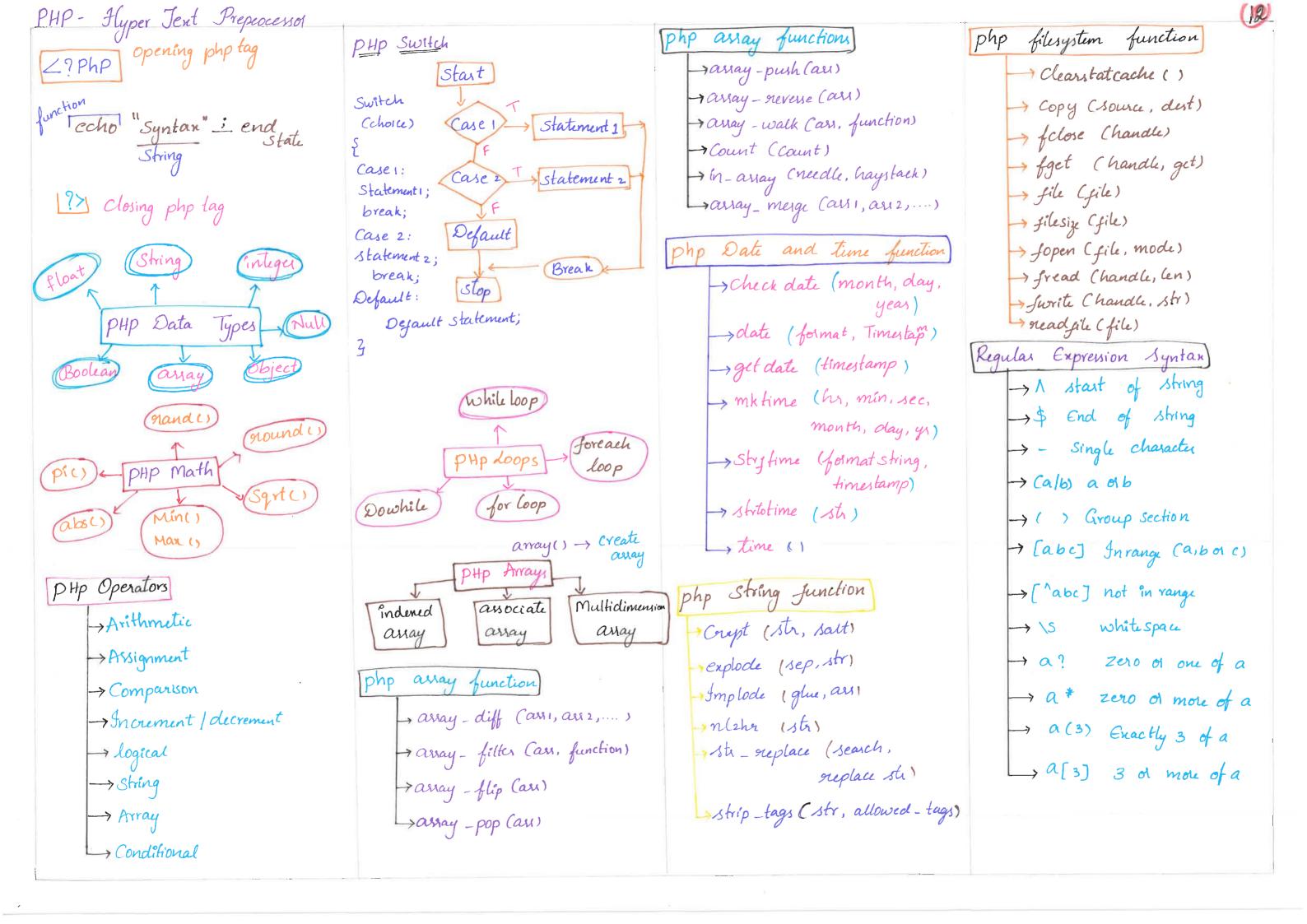
> Scott Greats

? Haschange Event









File handling in PHP:

⇒ Data Storage Ly through slower than a database.

> Manipulating uploaded files:

=7 Creating files for download

Open/close a file

*A file is opened with forent!

as a "stream", and PHP

refurns a "handle" to the

file that can be used to

reference the open file in

other functions.

* Each file is opened in a particular mode.

* A file is closed with fclose () on when your script ends.

File Open Hodes

7 Open for read only. Starts at beginning of file > 'r'

'r+' Open for neading of writing

'w' Open only for writing

a' Open writing, but start at END of current content

'at open for reading a writing

Example:

< ? php =

11 open file to read

\$ toread = fopen ('Some/file.ext',

fclase (\$ toread);

?>

Reading Pata.

There are two main function - no to read data:

1 fgets (\$ handle, \$ bytes)

• fread (\$ handle, \$ bytes)

Example:

\$ handle = Jopen ('people.txt',
'r');

while (! feet (4 handle)) {
 echo fgets (4 handle , 1024);
 echo 'Lbr />';
 a

File Open Shortcuts:

\$ lines = file (\$ filename)

Array with each line a separate entry in the array.

funite (& handle, \$data)

7 write & data to the file

File operations:

* Delete => unlink ('filenami');

* Rename >

Mename ('old name', 'new name')

* Copy file >> copy ('source', 'destination'):

PAP Connection to Database:

De using XAMPP web server.

Requirements;

X AMPP Web server.

How to connect?

Connect PHP application with MySal

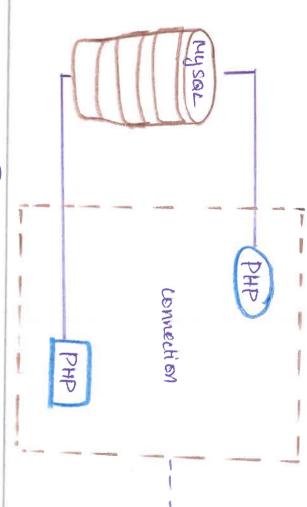
Retrieve database server information.

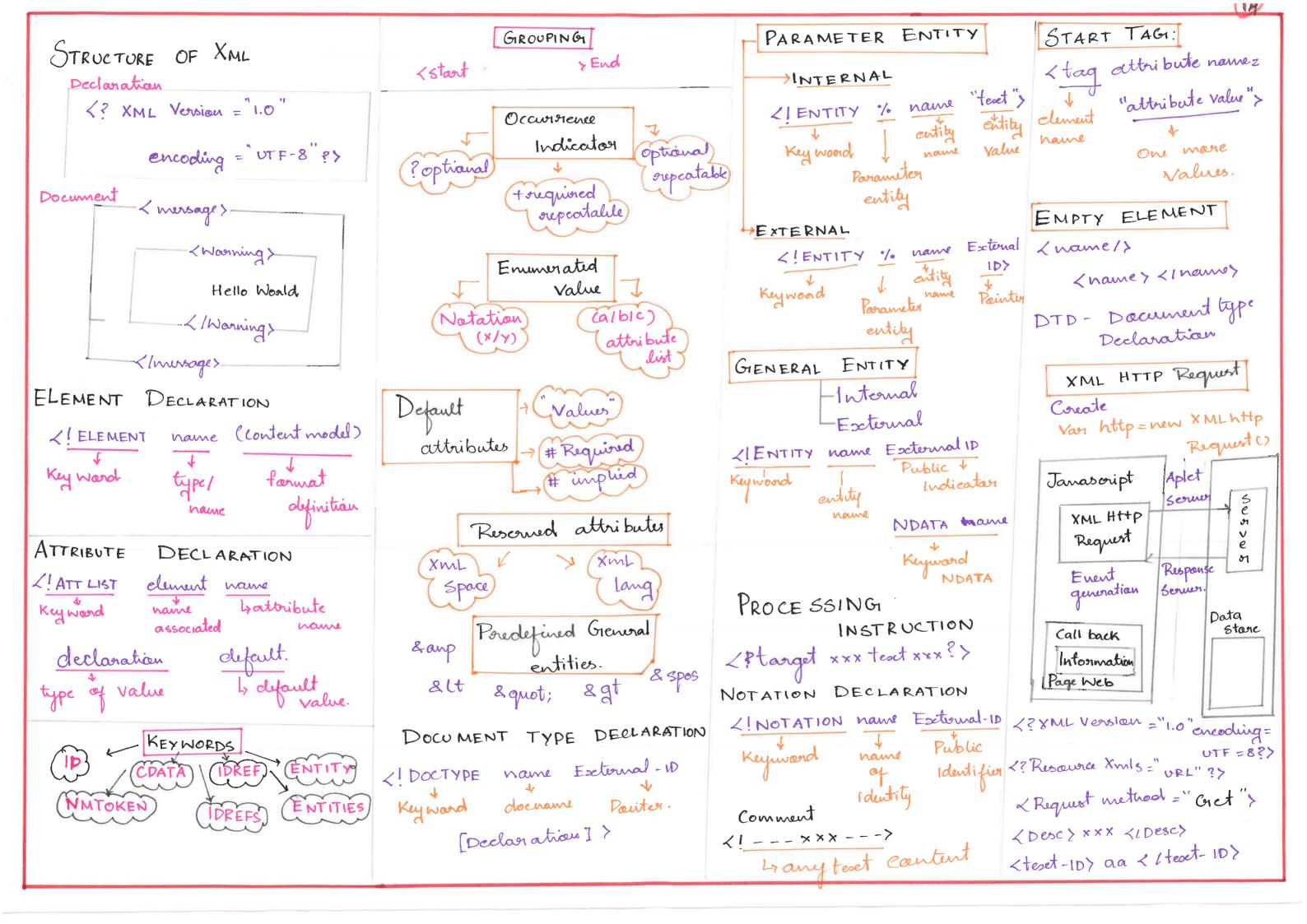
3 Manage error 13

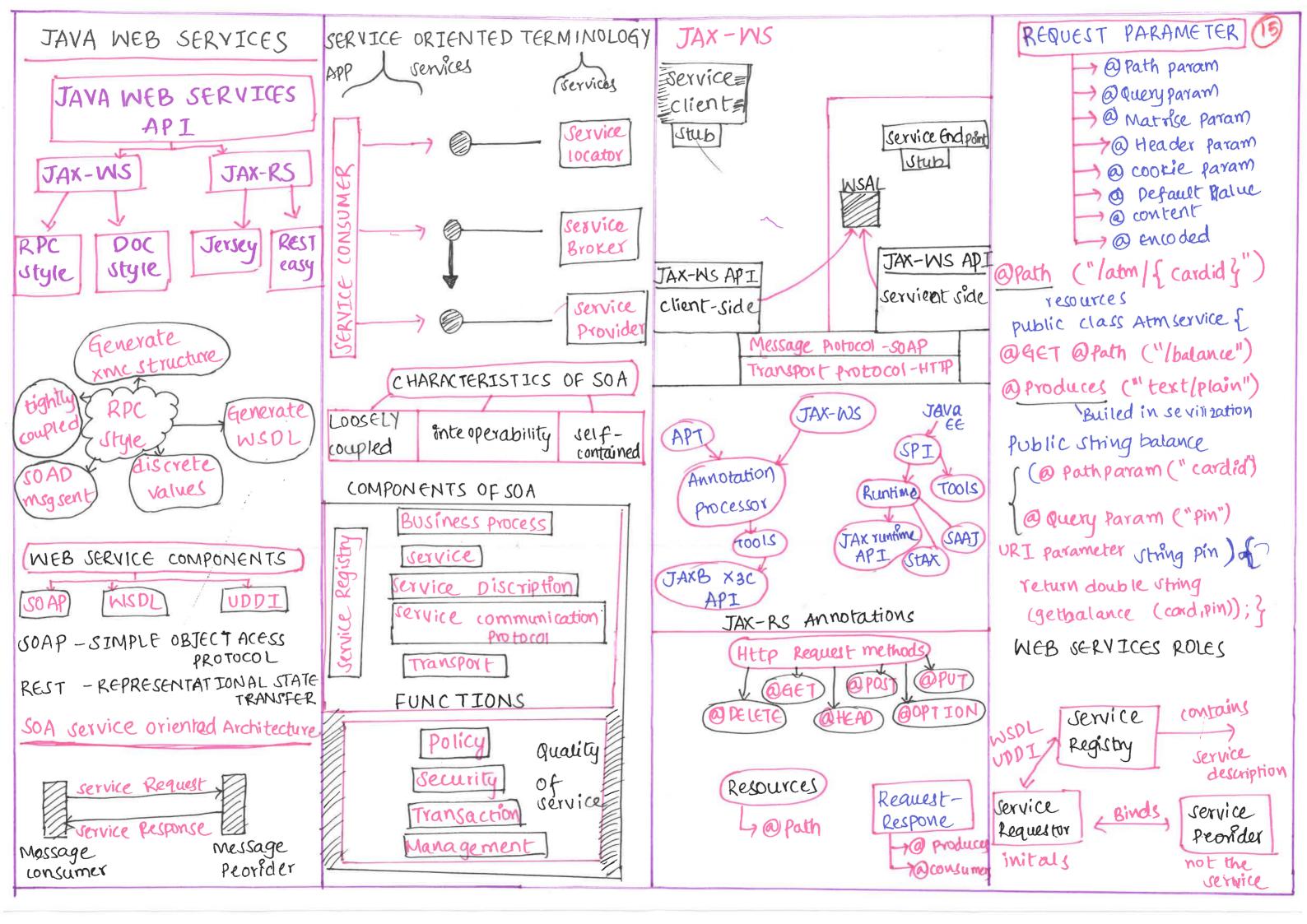
generated from db Cells.

D. Work with db records using the Create, Read, update and Detete function

PHP Database connection:







LIDP. User Defined Protocol

>UIP Protocol allows the computer application to send the messages in the form of datagrams. OverIP

> ALSO KNOWN as TCP/IP and UDP/IP

> Reliable transport medium.

Features of UDP Protocol

>Transport Layer Portocol
min amount of communication
mechanisms.

> ConnectionLess

Does not create virtual Path.

rot Gwaranted.

Datagrams are not numbered.

> Ports:

Port numbers are defined b/w o and 1023.

- r faster Transmission Connectionless Protocol, transfers through Packets.
- > segments are handled independents set as segments.

> Stateless

Sender does not get acknowledged upp is unveliable, deployed with large amount of band width along with actual data.

UDP header format

8 bytes

Header

DATA

Source Port number 16 bits	Destination Port number 166its		
Total length 16 bits	checksum 16bits.		

The UDP header contains four fields

- > Source Port number: 16-bit information that identifies packet.
- > Destination Port number:
- -to identify application level service.
- > Length: 16-bit field entire length of UDP.
- > Checksum:
- optional field, to check, acuracy.

Concept of Queuing in UDP Protocol

- > Distinguish different Processes.
- > Two queun for each Process.
- > first queus receives msg.
- > second one sends the mag.

Imput queun:

The upp Packet uses a set of queues.

Input module:

- -user datagram from the ER
- 2t enqueues the data.
- > Control Block Module:
- Et manages the control block table.

> control Block table:

- -contains the entry of open ports.
- > output module:
- creater and sends the user datagram.

Limitations:

- > Process to Process communication.
- > Provides unrediable connection delivery service.

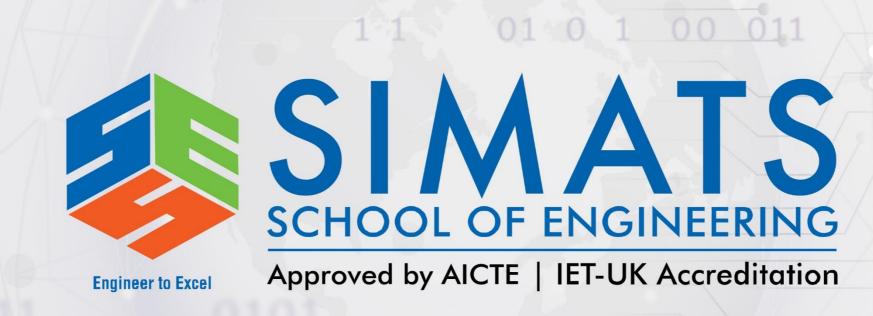
- >The uDP mensage can be lost, delayed, duplicated or can be out of order.
- > 2t does not provide a reliable transport delivery service.
- > 2t cloes provide error control to some extent.

Advantage's:

> 2t Produces a minimal number of overheads.

Diffevences:

- 1. TCP connection oviented where as upp connectionless
- overted. 2. UDP is an unreliable Protocol, TcD is reliable.
- 3. UDP in faster than TCP, as it does not guarantee the delivery Packets.
- H. Size of upp 3 bytes, 7cp 20 bytes.
- 5. UDP does not waits for acknowledgement just sends duties.



01 0 1 00 011

0101