PRN: 1032232 956 sany & Asali - A2 - CSE-CSF A ssignment: 1 Airo: Doulop responsible web design using using Cos, use of tag selection class selector & id selector Use Inline, Apply Boots trap CSS. Objectus: To undustand HTML Tags

Jo learn the styling of unto pages using To learn Bootstrap front end framework Theory: Office responsive web disign (Rull), what is its Ruw is a design technique where websites automatically adjust that layout, images
of elements to get the sorien is a like
distrops to mobile shows. Its used to provide -e smooth, readable / user Grendly experience across the demos- intheut needing sepirate website for each Explain the rele of the 2 net a name = "veiniport" > tag why is this tag essential for

Sarya 3) External CSS: Involves creating The HTML doc using clink > in the Pre Ex Chtml > Chend > Clink rel = 'Ayle sheet ' brey & & L/head> style cs: P & celor: red; foot Jamely + lonclusion : fager using HTML We used different schoolsmars good system ensures lay and adopted to all scrum sizes and the support of the same

Sanya A sale ROLL-Nog 64 Batch = 12 1501 - 105533302 FID - anign 2 Ain: Develop a met application using javasoupt to implement session, water, Dom. Perform validations such as checking yes character requirement for passuin seegular expressions for certain formats of the fields etr use the mysel Objective: i) To understand what form of validation is Jo learn basic functioning of som objections is implement it. matching characters combination in stongs They provide a pouryal & concise may to validate input formats by defining set of values. They need check if an input string meets terbality: They can enforce exact format onles

ensure the no only contains digits go too parmond it can check for upper b/w session l'arrive] 02) Difference Susion Cookie Aspect Stored an Stored on the Storage Client side side Location No strict limited Data Size least strict lifetime can persist until log Security less secure Moor prais Purpose of purforming both client & Client Validation: lovides immediali peedback

Readuces sower look by catching errors byon # > Somme side validation :-Can't be beyond by passed by malicious clients side validation could lead to security vulnerability. - Imagine an at online shopping website that validates the price of item & only on the client side & malicious users could manifulate the price value is the browns - is developer tool before submitting the without server side validation wife The poide, causing financial loss. broudle a simple ex. of how a Jamascript change the content of mel page after a user interaction. I cinput type = "text" id = "name" placeholders
= "En fer name"/=
= "En fer name"/= (button type = "submit"> Submit (button ?

Crean of many. ond Janquage like gho MIML, pu Dutabase connections: b) Vilidation: War is to chick inputs to connect to my sal Style for connectivity from frontend family end: breate a form & collect mout. dywell submission update and submis document get clument by Id (my form) constraine - do current get In (many 3 / script > < mp/ - Emple B. - Timp POR EDUCATIONAL USE fata backend was

h toud ald fing to new one of image from Thinker (H value wing Dom? to modify an attribute Altohut ("sor", "new"png"); Impresses were experience Prements incorrect or incomplete data entry corons before submission inpute such as bratect the web applicution from materious BB 01 Send / soupl-> script > = "logo" sxc="old.png"> impartant 2 wasons when from validation i to farmfind document. out clerent by ID ("I rgo") set Muse I solve : wadene I the Dom is updated by highlighting me 0

B Emables Parvides supports Cighweig ht wite - binumerbuch gent wus of JS2 Asynchanous H Dom manipulation both object interpreted

Changes to State THI Some HU - sentering State: Representa componento internal data explain in timesting lumplating with Thomas . Copier Time wing reach by implimenting traplating own our across maximus process at effectively choromorphisms the fundamental concepts of component based architecture applie ation will sexuse as a practical exist un bullding the note of state & Posts is react. He tomponent based application lab assignment -03 TO a scalar more under Albambas was expused WOLLEY Y PRN: 1032 2 32952 of mondered STANKOND PLUM

their conformat o Landinal that for the Local dotta changes & page fused from parent to child compensate child invide child child child child and parent factor child or certains What is a React Component? Differiantial e divine the advantages of many that hyperula part of the UI When this state for state & charty Maned Walk of Plan d. J. raphor mentos - mound tuen Building 2 side c Turontak W SALVE

Traditional HIMI is sigid & night to munto Earl may barrel durign all pure any marrie upo Encourage seperation of wheems (bogin + DI when belier than monelithing 4mm 1 files To React & HULLAGE Beller performance in most cases Carries to read & test & lifestyle Logic maich function approach considered superior or traditional Admost & ges a) functional temperations will beaks Hursell components. wanted of surpora In I silve who sometimes about the transfer as DI is built by Jours small

of How do you handle user events in Paralle code snippet to derive handler is defined in the how it can be used to update of Bengsn. pate 2 to day React uses event handless bound to women Guicia import React, & use state y Joan " real function country () & then Ing function court, Set Count J = usesta court handlellick = () =) { set Count (Count + 1). return & <div> 2010/ 2020 Count: { count 3 C/ps. 2 button on Click = handle (Dechs) Increas. 2/ dist / C/button > export dejault Counter; as) what is a responsine met disign, & who you mould implement a susponsure desjine application Union (In media in a React application using Us medi

00 h) - 4-11 12 200on a Cost in It library. to different devices. (RWD) ensures upps adapt them on multiple screen sizes. Implementation in React :-Ess media aucriss: (a) media (max - width: 600 px) { - container 1 Jont - Size: 14PX 5 const Box = 87yled · div @ media (max - width: 600 px) (background & light blue;

Same Practe PRN: 1032232950 FOD anymment -04 Andling Routen & style with React Cos also make it is a suspensive disign to scale well across PC, tablet I mitile phone abjectives. Improve Application Robustness & navigation 2) How do lists & keys mork in React? tists: In React, lists are used to seed multiple keys: Keys are unique identifiers assigned to list items to help reack brack which items change, update or get removed. Without keys, React re-randers inefficiently, leading to performance issues. Govert Portal telnat is it & when would you use a portal lets your rendre a child components outside its parent 100m heirarchy, usually

(macial They present our citizen app from cashing 2 189 bouls once & React Router du It makely client - side Discuss the impostance of Error Boundanies are brack components New down fract my asserbe when THE CROYAL O & CLIME > into a differently Dom marde the case is of ordales, dialogs, topics, afflication the different man , to Application (GRA) the view mitheut represhing the MANN m the exprience In important user experience allback UI instead fast namination Router enable ring fun dimality. in bruken burnase che a CM SABle millione STANDA 8

am MON 30 Call cas Applicately : traditional, cas files conclion. conclion. utility - first DUNANTO Eas mordules : scoped CM willy unique door Inter styles , Anding style dissettly to chirows - Frammustos: Tailiment CA 26/4 M til

PENT 10 612429 St ROLL NOT ES FSD - Agaignment : 05 Ain: Deulop a responsive was design wing Express frommund to perform those organistan & dylow with wolle Is use mango DB Objectives full Hack Web Application development Demonstrate Backend development & deployment Boo ficiency. Theory: what is the mole of expression as a will framework or Node is. Expres js is a lightweight & perible webs framework for North is what rangifies some - sde developerment. It prevides tooks for handling HTTP orquesty routing, middlemane, making it easier to build scalably sub applications and API's Explains the concept of CRUD operations in tontext of unb applications.

CRUD stands for create, Read, update These are the four basic operation person.

- med on data in a web application.

(rale pation) data (c.g. men was parama mentioned regulation data (c.g. win uses uplate medity existing data Install · Jante: Rineur data. s) why is mongo DB a suitable choice for store data in a plexible JSON-14the 1850N) Joonnat. setua W Mandles unstructured or sumi - structures

deta well. scales casely for large applicationy. · Integrates moothly with Node js & Expor Faster development due to schema - less du 94) what steps ove involved in deploying a node

of Express application?

Freque app & set envisonment variables. - thore hast. (henke, Aus, etc)

W Wals Sanga Prate CRN: 10 27 2 315 25 Later Fried 893 64 Est assignment ob Exposes Framework to perform croop Install Node: Is & degendencies Do The Tuse PM, for process maragement. like setua Reverse proxy for Nor or NX & SSL monitor & materiain TON Tess. 4