CHALMERS EXAMINATION/TENTAMEN

Course code/kurskod	Co			
DIT342	Webandmo			
Anonymous code Anonym kod		Examination date Tentamensdatum	Number of pages Antal blad	Grade Betyg
DIT 342.0011-LUG		14/8-23	8	4

^{*} I confirm that I've no mobile or other similar electronic equipment available during the examination. Jag intygar att jag inte har mobiltelefon eller annan liknande elektronisk utrustning tillgänglig under eximinationen.

eximinati	onen.		
Solved task Behandlad No/nr	t e uppgifter	Points per task Poäng på uppgiften	Observe: Areas with bold contour are to completed by the teacher. Anmärkning: Rutor inom bred kontur ifylles av lärare.
1	2	26	
2	R	DIEN1	
3	X	12	
4	7	8/6	`
5	7	6	*
6	1	17	
7			
8			
9		.v	
10			
11			
12			
13			
14			
15	ž.		
16			
17			
Bonus poäng			
Total exam points	ination	- AMMA	



Points for question (to be filled in by teacher)

Consecutive page no. 1

Question no.

PIT 342-0011-LUG

I. This implementation vivolate the principle of uniform of interface that an API desigen should adhere to tobe conciderd Restful. Since this implemention Vaiolate the sepration of concern as well as safty and idempotency The post request is unsafe and not idempotent, which means that it will be concidered state changer for every request send and hence cloud indrudce unexpected behavior if it was tested by an automated test tool for instane. on the other hand it should be implemented with respect to the method names and behavior. Where get is only responseble for getting resources from the server , post only when the client want to create anew resource , put when updating an entier resource is desired , paten when partielly update is desieved, and finally delete when deleting a resource is wanted. By doing so the application whould be Function Correctly and produce expectibale outcoms that are easy to intract with and implement proper error handing due to thier predicteble behaviors as was recommanded by Roy Fieldent Famous PHd dissertion and API design convenstions.

This ,

The implemention provided dose not satisfy the afromention aspects, hence it's problematic.

CHALMERS	Anonymous code	Points for question (to be filled in by teacher)	Löpande sid	Löpande sid nr																																																																																																																			
	Anonym kod DIT342-6011-1VG	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr	•																																																																																																																			
. lines 10	0-12																																																																																																																						
<tr td="" v-<=""><td>for (page in pages) > < to> < { page. content } }.</td><td>rd> 2b> E& page. fi</td><td>He }} <td>1497</td></td></tr> <tr><td><+4><!--</td--><td>o> {} page. content {}</td><td>(16)</td><td></td><td>V 4</td></td></tr> <tr><td>o lines 1</td><td>4-16</td><td></td><td></td><td></td></tr> <tr><td>(form</td><td>Submit="on Submit ></td><td>type="text"</td><td></td><td></td></tr> <tr><td>kinput</td><td>r name="Titlet V-model type="text" t "name="content" V-mo</td><td>= title > EnteTit</td><td>le clinput:</td><td>> 4</td></tr> <tr><td></td><td>t type="submit @="add</td><td></td><td></td><td></td></tr> <tr><td>4/forw</td><td></td><td>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</td><td>, , ,</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>a lines</td><td>28-30</td><td></td><td></td><td></td></tr> <tr><td>meto</td><td>Js : 8</td><td></td><td></td><td></td></tr> <tr><td>વર્ટ</td><td>dNewpage() {</td><td></td><td></td><td></td></tr> <tr><td></td><td>const new Page =</td><td>٤</td><td></td><td></td></tr> <tr><td></td><td>title: this t</td><td></td><td></td><td></td></tr> <tr><td></td><td>content: this</td><td> Content</td><td>\$4</td><td></td></tr> <tr><td></td><td>}</td><td>0></td><td></td><td></td></tr> <tr><td>خ</td><td>this pages push (new</td><td>, pege)</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td></tr> <tr><td>Creat</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>onst pages - his</td><td>Dec es la chi</td><td></td><td>12/</td></tr> <tr><td></td><td>fortteti=o; it pag</td><td>1 c)cs. (engly) 1+</td><td>() </td><td>1121</td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr>	for (page in pages) > < to> < { page. content } }.	rd> 2b> E& page. fi	He }} <td>1497</td>	1497	<+4> </td <td>o> {} page. content {}</td> <td>(16)</td> <td></td> <td>V 4</td>	o> {} page. content {}	(16)		V 4	o lines 1	4-16				(form	Submit="on Submit >	type="text"			kinput	r name="Titlet V-model type="text" t "name="content" V-mo	= title > EnteTit	le clinput:	> 4		t type="submit @="add				4/forw		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,							a lines	28-30				meto	Js : 8				વર્ટ	dNewpage() {					const new Page =	٤				title: this t					content: this	Content	\$4			}	0>			خ	this pages push (new	, pege)			3					Creat						onst pages - his	Dec es la chi		12/		fortteti=o; it pag	1 c)cs. (engly) 1+	() 	1121	3																			
for (page in pages) > < to> < { page. content } }.	rd> 2b> E& page. fi	He }} <td>1497</td>	1497																																																																																																																				
<+4> </td <td>o> {} page. content {}</td> <td>(16)</td> <td></td> <td>V 4</td>	o> {} page. content {}	(16)		V 4																																																																																																																			
o lines 1	4-16																																																																																																																						
(form	Submit="on Submit >	type="text"																																																																																																																					
kinput	r name="Titlet V-model type="text" t "name="content" V-mo	= title > EnteTit	le clinput:	> 4																																																																																																																			
	t type="submit @="add																																																																																																																						
4/forw		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,																																																																																																																				
a lines	28-30																																																																																																																						
meto	Js : 8																																																																																																																						
વર્ટ	dNewpage() {																																																																																																																						
	const new Page =	٤																																																																																																																					
	title: this t																																																																																																																						
	content: this	Content	\$4																																																																																																																				
	}	0>																																																																																																																					
خ	this pages push (new	, pege)																																																																																																																					
3																																																																																																																							
Creat																																																																																																																							
	onst pages - his	Dec es la chi		12/																																																																																																																			
	fortteti=o; it pag	1 c)cs. (engly) 1+	() 	1121																																																																																																																			
3																																																																																																																							

Answer only one question on this page. Do not write on the back of this paper

A user send a get request to the DNS www.my-blog-space. se where usually the user expect an HTMI page to be loaded in the request the year indicate what data format the aser accept upon a get request such as this one.

The server sends back a responce with status code 200 "Ok" if the domin mane was valid and load the login page as was asked in the get request, alternitury a status code of 404 if the domin mane was wrong or not avalible for instance.

containing the user username and password, assuming that was been asked in the login page, in the request body.

if the user credintial was valid the server sends back a responce with status code 200 "OK" , and allow the the user to access itsown blag page.

Otherwise the server sends back a responce with Statu code 403" unauthrized and proper error message indicting that the user did not provid correct credintials.

the requests and responses occur throughTTP protocol, sol. For authenticution many libraries cloud be used, ix. Jut. & buttery rally

CHALMERS Anonymous code		Consecutive page no Löpande sid nr
Anonym kod DIT342 - co 11 - LUG	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr 5
5.		
1. include adescription fo	orall images in	the eelt=""
attribute of cings tags		
indevidules to get access	to the images c	outent through
Speaking tools in the browse bad intenet connection, to	er for instance undestand the ing	. Or users with
2. Add media querijes to m		
accessble for all screen si		
screen size cloud have b	etter user ea	perience
and remove unnessary con experien on small screen functionality 3- Add tabs so the only import its for visually impared a		first it the
# more		6/8

CHALMERS DIT342-0011-LUG 6. layer 1 pys physical layer contains the actual lines and phsyical components that the communication pass through. layerz: Data-link layer make include the intrasture that connect the component in the Physical layer.

Werld: Transmission layer & proof Layert: Transmission layer includes the intrastructure that connect mutible hops, Technologies dos "quality of service" that ensure that messagen cloud be delevired if the couniction was lost for insanste Layer 3, Network layer: connect multible node on the network enablishing connection between clients and servers through intenet protocol IP for instance. Cayer 5: 17/44 Session layer 6: presentian layer where clients and servers communicate through diffrent internet protocols that are an top of HTTPIP Such as TCb, UDP, and HTTP. The communition occur through requests and responces in the case Of HTTPA Forinstance. Layer 7: application layer where Api eta, take place to organize of the conniction between client and Servers Ihappens upon bequests and sesper hesponses. using HTTP perotocal for instance, only one question on this page. Do not write on the back of this paper