Ajax principles As a new web application model. Ajax is still in it's infancy. However, several douclopers have taken this now douclopment as a challenge. The challenge is to define what makes a good gjax web application Minimal traffic No surprises Established conventions No distraction Accesibility Avoid entire page downloads User first. Minimal traffic. Ajax application should ansend and receive as little information as possible to and form the source, In short. Ajax can minimize the amount of traffic between the client and the source No surprises. Ajasi applications typically introduce different user interaction model than traditional use other user interface such as drag and drop or double dicking. Established Conventions: Don't waste time inventing new user interac -Hons model that your user untounition with.
Borrow horsily from traditional web application

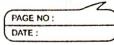
,	PAGE NO: DATE:
	and disktop applications, so there is minimal
da 1	The section of the second of the
41.00	No Distractions: Avoid unnecessary and
54,17 1	distracting page cloments such as las.
. cont	animations and blinking page sections
	such giromicks distract the user from what
	he or she is trying to accomplish.
•	Accusibility: Consider who your primary
	and sceondary users will be and how
	they most likely will access your giase
	application gas gas gas
L	Avoid Entire page and downloads:
	All server communication after the initial
Hariana a	page download should be managed by the
irt	gascengine. Don't orein the user experience
STA AT	by downloading small amounts of dal
ant const.	in one place but reloading the entire
	page in others.
	1092 117 011003.
•	Uson first:
1-1-11.1	
1000	Design the ajax application with the users in mind before anything else. Try to make
EAT BY	The common use cares case to accomplish
2.1	& don't to caught up with how yourse going
	Et don't to caught up with how yourse going to tit in advertising or cool effects.
	Or Cool Charles
	Arran . Ingl is (1942)
30-11	I work and was and the
1.00	Marie India doportion of the

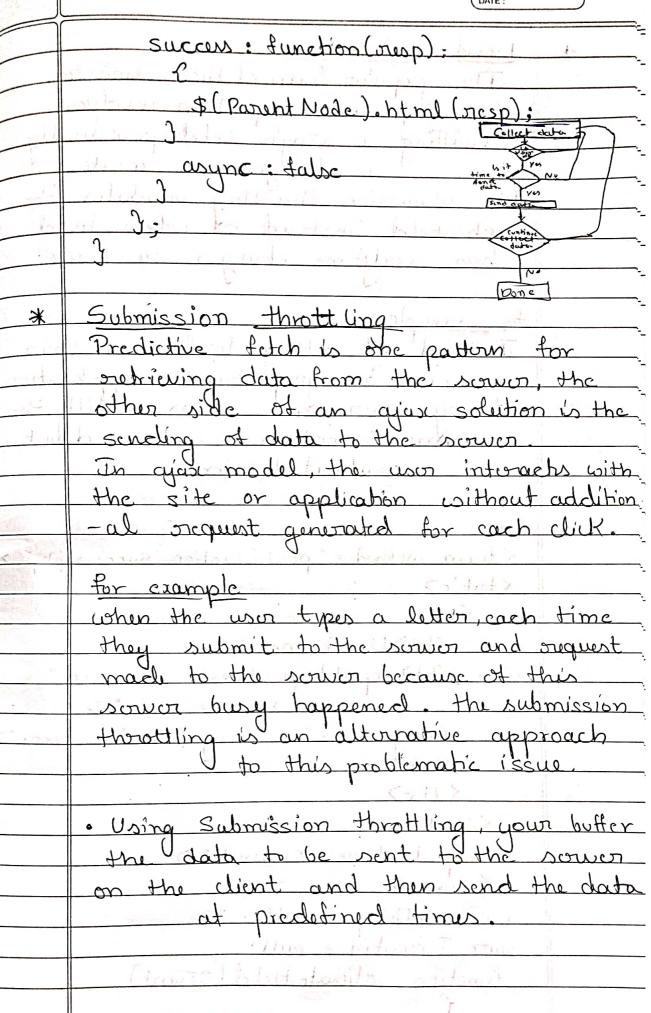
Ajax Communication Technique lope of ocquest going back and forth between the browser and the sower while you are surfing the web Initially all these orequests happens because the usor made an action orcquired such a step. The Hidden frame techniques: The basic idea sto create a frameset that has frame that is used for dient sour communication the frame by setting it's we can hide width or height to zero 27 Hidden frame (JET orequest for example: a customor Id customer. de programming language PHP MYSBI (Retrive information from the Databases Hidden Frame POST socquest: Request Data from from the sower orcquest can send up to 2MB of information. web brow sos Visible Frame Hidden frame Databas e

	+7 Hidden i Frames:
Hod	It is introduced in HIML 4.0, the
711	iframe technique can be applied to
11.	iframe technique can be applied to pages not originally created as a
3.1	tramest itrames are ideal for
4, 1,	ajase communication.
	the same of the description of
	5] Hidden i Frame Post Request.
	To accomplish a post orequest using
marka	hidden i Frames, the approach is a
V -	load page that contains a form into
4. 412	the hidden frame,
214	Here and some and the
*	Cancel Pending oriquests with respect
	to Ajax:
	Ajax oriquest cancellation is the process
	of stopping an on goinging a synchronous
	Http orquest made with Hax technology.
	it can be achieved by using the abort 1)
and from	method of the XHR (XMLHTTP Request) object.
-1 1 1 1 1 1 1	The state of the s
L	The abort () method stops the request &
	terminates the response
1.	This is usefull in situations where the
	usor initiates a request but then decides
TO STATE OF THE STATE OF	to cancel it before it has been
711	completed
XI (for example, the user orequest a some
	data then sometimes later want to
	concel it then using abort 1) we can
	acheieve this, once has been canceled, it's
2	abort 1) method has no effect.
	The chect.

	ONE.
	Syntax:
	The state of the s
	Van Xhn = new XM(HtlpRequest ();
	Xhar abort ();
	alid he alid
	All as explain an index. worth and in the
*	Control patterns and Predictive fetch
; 1.	with an example.
-,11	and the sound of the sound of the
<u></u>	Predictive tetch
	The Ajase application guess what the
· · · · · · · · · · · · · · · · · · ·	usor is going to to next and retrive
j n	appropriate Data, in perfect world.
	it would be wonderfull to always
er. Ara	know what the user is going to do and
	make sure that the next didta is
	readily available when needed.
	Octerming future user actions is just a
	quesing game depending on your
140	intentions
16	for example: Suppose you are reading
L.	online articles and that contains
	3 pages. If your are interested in
	noading the first page, it logically
	assume that you are also interested
	In seading and E 3rd pages, then it
-1	download 03 pages in background.
,	- Cahalatin Amil Land
	in bahalation of who other, will
	are desagne would glide money
	A Company of the Comp

A second	
a	Page Reloading
	One of the Month and most
	the productive total
	in the preloading of pages in an
	online article
	Reading long articles online is the very
4.1	and the end of the same of
	The man was and the
	todayen time to lace
	each new bade wints to
354	manus and all prodiction lake
8 4 2 4 3	the load on both client and sower
1187	by loading only the text for i
11 13	nout pages while the grades
0	still reading the first page
7.4	to Harries Situation and American and a second
	Escamplement
oten ar	parties man man exist to
r~ 1.	function make preloader (Parent node)
	Comment of the Commen
, H-	var ing = document. create element ("ing");
- L - 7	imq. src="images/preloader.gif";
řv)	img.src="images/proloader.git"; parent Node. append Child (img);
1.11	Jarkel Vill
hk mk	function get Data ().
I de Com	+ . of party is a white with the all
de la seconda de	Vier parent Node = document get Element By Id
- 1	my Parent Node"):
	make preloader (Parent Node):
_	\$. ajax ("http://www.example.com");
	10 to the state of





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*	Field Validation
	The popular form of the submission
- V	Throttling design pattern involve
1	submitting a single field periodicall
	as company and man
	the submission throttling validate
7	each held unstead of colore field
	when everytime changes are made.
*	
	for example
VN.	Instead of asking to fill the form
and t	you need to signup for the application using usurname, unless untill the
04100	using usorname, unless untill the
	usorname tornat is correct use didn't
Atte Al	submit the form.
CI A.	funding admitting on it is 14 !
	Ex- dollars formand in
	<pre><form action="Success.php" method="post"></form></pre>
2001+	tobles
4	
√ 1°.	(td) Username (/td)
(Validation	(td) input type = "text" id = "usor"
11 20	rame = "uscr">
	<pre> <imq alt="Frror'? </td></th></tr><tr><th></th><th>1/60 /
1/tr></th></tr><tr><th>- Will</th><th></th></tr><tr><th></th><th>Simple tune " src="error gif" submit"<="" th=""></imq></pre>
A	(input type="Submit")
A.	van xmlhttp=nul;
	var Timcoutid = null;
	function validate Field (OFvent)
	(
	The state of the s

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	OEvent = OFvent 11 window. event
	var tatticle = OEvent target!
	Orvent. src Element;
1	it (iTime out Id! = null)
al water	The man the same and the same of the same
	clear Time Out (iTime Out);
	i Time out Id = null;
	A torday
	-
ľ	- Company of the comp
*	Multi Stage download:
i i	One of the lasting problems on the
	web has been the speed at which
	pages download.
	Multi stage download is an Ajax
Mary	pattern where in only the most basic
wands 'serr	functionality is loaded into a page
171	initially. Then begins to download other components that should appear on the
	page. If the sixt should leave the
11171	page before all the components are
Theres	downloaded. it's of no consequences.
1 X CM	- A As mount to design to the sale of
V 1 271	Contraction of the contraction o
1 21 1	The state of the s
* . 1 t s 1 c	is the viving me the of the country to introduce and the
1	
1	I would would be retire one stand in 111
4	In his in it is here were the word
	contract of the second to
	in the state of th

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	Cont.
*	HTML V/s Ajaoc
11/	the the principle onto
*	HTML
	HIML is the standard markup longuage
	used to breate the structure and content
	of web pages.
•	It consishs of set of elements or tage
	that define the structure and layout
	of a webpage ruch as headings.
	paragraphs, links, images and forms
	Ajax hadronto profesionisti
30,11	Ajaz is a web dovdopment technique
12 1 - 27	that allow the applications to retrieve and send data to a server.
	and send data to a server.
V	Little 20 Anistration Consider Alice 188
△	HTML is used for creating Ajax is used for making
1	the static structure and asynchronous requests
* *.1	webpage.
	HTML is a Markup Ajax is a technique
	language used to that primorily involves
	structure content. javasvipt for making
	asynchronous quests.
*	HTML is not designed Ajux is specifically
	for data retrival & designed for data
of the second	Manpelation retrieval and can
-	up date web page control
*_	HTML loads an entire Ajax loads only the
ic - og ska	web page when oriquested data needed from
	resulting ina full page the sower.
	rebad.