
BTP Presentation: Response Time Prediction

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Overview

Expected delivery

By 7th Semester

Recent progress

- Website Requirements.
- Website Collection
- Data Collection: Graphs and Response Time

Biggest risk

Inaccurate Prediction

About:

Website response time is one of the most important performance parameter of website. It can be used to assess website performance to forecast the status of website. Large amounts of data are applied by a distributed monitoring system that monitoring a university website response time. Support vector machine with information granulation is studied to predict the response time. It can predict accurately the range of ultimate response time, the relative accuracy of the forecast average response time can reach 96.2%.

Progress - Website Requirements

Types of Website:





























































- In-order to get accurate response time data of website, we needed **self-hosted websites** so speed of internet does not provide in-accurate throughput.

Other Software Requirements

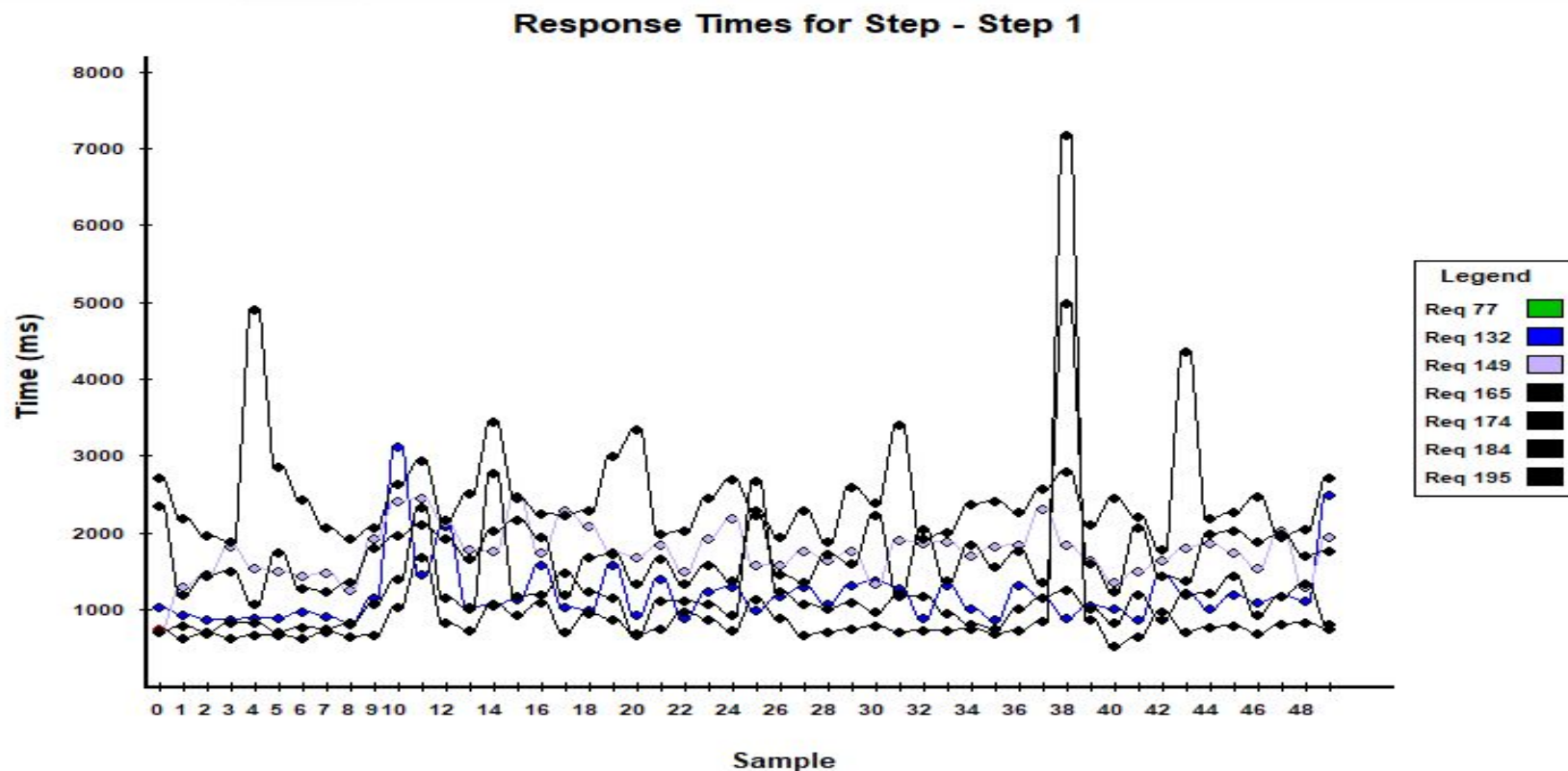
- Currently, we are using following softwares for web-hosting (localhost)
 1. **WAMP | XAMPP**
 2. **BadBoy**

Progress - Website Collection

- We have collected a total of 100 self-hosting websites.
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jack-ryan-shadow-recruit-english-yify-13720	Jaipur TriP-20170206T074233Z-2	jekyll-master	Jewellery_Store	Job-website-students3k	Joomla	Koken_Installer	Lab6	localhackday logos	Lychee-master	mad-men-english-97527	mantisbt-2.12.0	mcrypt-2.6.7-win32	net-ban-ph-p-students3k	omnetpp-5.2.1-src-windows
														
Online_Car_Rental	Online_exam_New	Online_notice_board	Online_Shopping	online_voting	online-art-gallery-in-php-master	onlinecourse	oscommerce-2.3.4.1	ossn-v4.6-1513783390	osTicket-v1.10.1	oxwall-1.8.4.1	p2a3	pagekit-1.0.13	Passport_Application_Form_V1.0.pdf	PassportApplicationForm_Main_English_V3.0
														
pdfs	ph7CMS-12.1.2	phone-book-master	phone-book-master_2	Photos	Photos_2	phpwcms-phpwcms-1.9.0-rc.2	pip-10.0.0b2-py2.py3-none-any	piwigo-2.9.3	prestashop_1.7.3.0	processwire-master	ps1001	readerself-master	RIA-Y16	Rperform-master

Progress - Data Collection - Graphs



Progress - Data Collection - Response Time

Browser tabs: Fwd: Y15 BTP al x Y15 BTP Allocat x Inbox (83) - knv x [Rd] Warning al x My Drive - Goo x BTP Response T x Status report - x

Address bar: Secure | <https://docs.google.com/spreadsheets/d/1tkAjF8uwKA3M1bOvTpi7BRZwRmKvkmRYbw9HjgKPxC/edit#gid=0>

BTP Response Time Sheet

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

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	A	B	C	D	E	F	G	H
	Website	Paths	T1 (ms)(Loop=1)	T2(Avg)(ms) (Loop =20)	T3 (Avg)(ms)(Loop=50)			
45	Elgg(My New Co	http://localhost/elgg/activity	532	547	550			
46		http://localhost/elgg/pages/all	672	543	552			
47		http://localhost/elgg/bookmarks/all	397	513	537			
48		http://localhost/elgg/	554	545	583			
49	Grav	http://localhost/grav/	258	272	277			
50		http://localhost/grav/leftsidebar	206	270	291			
51		http://localhost/grav/nosidebar	304	289	269			
52		http://localhost/grav/rightsidebar	278	272	285			
53	ProcessWire	http://localhost/processwire/	493	941	560			
54		http://localhost/processwire/site-map/	548	453	353			
55		http://localhost/processwire/about/what/	535	407	338			
56		http://localhost/processwire/about/background/	627	414	329			
57	Bludit	http://localhost/bludit/	173	291	262			
58		http://localhost/bludit/admin	196	302	276			
59	cockpit	http://localhost/cockpit-master/	835	1135	1046			
60		http://localhost/cockpit-master/finder	871	1214	1313			
61		http://localhost/cockpit-master/accounts	877	1172	1181			
62	cpg(coppermine)	http://localhost/cpg/	563	313	257			
63		http://localhost/cpg/thumbnails.php?album=topn&cat=0	371	419	279			
64		http://localhost/cpg/thumbnails.php?album=toprated	376	230	187			
65	lychee	http://localhost/lychee/	981	245	227			

Sheet1

04:32 17-05-2018

More Work...

Paper Study: Website
Response Time Prediction.

<https://ieeexplore.ieee.org/abstract/document/7003908/>

Authors: Xiaoming Zhang,
Cuixia Feng, Guang Wang

Data Flow Diagrams
(DFDs)

We are looking for
software that can help us
make DFDs for 100
website. We have already
decided the path flow.

Schedule

Project Announced

Started collecting data
and graphs

Future Work to be
discussed.



Feb 2018

March 2018

April 2018

May 2018

August
2018

Search for all the
required software and
learning to use them

Website Collection
Completed

Future Work

Making sure we have appropriate Data.

Study about Response Time Prediction: Intro to ML.

Final Report Submission

Thank You! :)
