

WebMon

A website monitoring service

Project Vision for CS263 (Winter 2016)

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What is WebMon?

WebMon is a website monitoring service which will help users track the uptime, downtime and response times for a website. Users can add the websites which they wish to monitor and WebMon will notify them when the website is down and or has a response time more than the preset amount.

Why WebMon?

A user who has his or her own website(s) would want to know if his/her website(s) is up and the response times with which it is serving the page. He/She would want to know if the website goes down so that he/she can take action and rectify it. Monitoring a website continuously is not a trivial task and this is where WebMon comes into the picture.

How WebMon works?

WebMon will continuously ping the websites being tracked and record the response times. In the case there is no response or the response more than a certain duration it will immediately notify the user via user's chosen method (Text/Email). The data will be shown to user in the form of charts.

Design of WebMon

WebMon will be hosted on Google App Engine with a web based interface for access. Google Cloud datastore will be used to store the data and backends will be used to perform the continuous tracking of websites. Task queues will be used to perform the computation such as average uptime, downtime and response times. Most commonly tracked websites among users will have some of their data stored in the Memcache.

Websites will not be tracked per user basis but the data for the websites will be available only after the particular user starts tracking it.