

Factor	Measure and quality scenarios	Variability(current flesibility and future evolution)	Impact of factor(and its variability) on stakeholders, architecture and other factors	Priority for Success	Difficulty or Risk
Reliability and Performance					
Database failure and recovery	When meet this failure, it should recover from this failure in one minute.	Current: reconnection. Future evolution: more reliable database.	Users and Orgs will have a bad experience thus choose not to use our system. It is difficult for admins to sustain and update the database.	M	H
Network failure	When meet this failure, it should recover from this failure in one minute.	Current: reconnection. Future evolution: no.	Users and Orgs will have a bad experience thus choose not to use our system. It is difficult for admins to sustain and update the database.	M	H
Privacy	All users' data should be transmitted and stored in a safe way such like https.	Current: https and ssl. Future evolution: better algorithms.	It is very important for users and organizations to keep their personal information.	H	H
Supportability and Usability					
Less page load	When update some area in the page, do not reload the whole page	Current: Ajax Future evolution: some better technical.	If a website is difficult to use, it is sure users will escape this website for it is supposed to make things easy otherwise it is meaningless for us to use a website. All users will have a bad experience to use this website. Orgs and users are affected the most.	M	M
Browsers	Browsers supporting asp and the website will be tested using Firefox, Chrome, IE and Opera	Current: some framework like jQuery can help us solve the problem of compatibility Future evolution: browsers will all support the same features	Tools are limited and we will test our website on different web browsers as many as we can. Firefox and Chrome will be our main ones. We will try our best to use features that all web browsers support. Since there are w3c and orgs that works on these things, it will be easy for us to do. Few users will have troubles.	L	M

Others : Laws					
legal activity	When administrators vote if the activity is allowed, they should obey laws.	Current: according to local laws. Future evolution: no	The website will be shut down by the government and be punished.	H	L

Issue Cards: Issue: Reliability—Database failure and recovery

Overview: Use the database's periodic backup to recover the database.

Factor:

Recover from the database failure strongly.

Solution:

The database will have the function of periodic backup, and we can recover the database to a latest version according to the backup.

Motivation:

Users don't want to lose their account information and activities information they took part in, organizations don't want to lose their account information and activities information. So, this is necessary.

Unsolved:

NULL.

Other solutions:

Backup the database on several machines periodically.

Issue Cards: Issue: Reliability-- Network failure

Overview: use cache and reconnection to the network

Factor: The network is not that stable as we expected. Our system should solve the network failure.

Solution: The system will connect to the network instantly. Also, the system will have a cache of the data. Users may feel that the network is still lived.

Motivation: When users are using our website, the network fails. Users may have a bad experience. If our website can provide a good network, the number of users can grow which with benefit our website.

Unsolved: the network situation cannot be changed in near future.

Other solutions: build a new net for our system own.

Issue Cards: Issue: Privacy

Overview: https and SSL, encode.

Factor:

All these data should be transmitted and stored in a safe way considering the importance of the safety of their personal information.

Solution:

Use https and SSL to ensure the safety in transmitting and use some algorithms to ensure the data is stored in a safe way.

Motivation:

It is very important for users and organizations to keep their personal information for these may bring their life bad affection.

Unsolved:

Though thought to be safe, the packets may still be captured and hackers can attack our database get decode and then get the real data.

Other solutions:

Use some other algorithms to encode the data.

Issue Cards: Issue: Supportability and Usability—Less page load

Overview: Use ajax technical to get data without refreshing the page.

Factor:

Less page load

Solution:

Use ajax technical to get data asynchronously without refreshing the page.

Motivation:

If a page is reloaded frequently, all users will have a bad experience when they are using this website.

Unsolved:

NULL

Other solutions:

Wait for the better technical.

Issue Cards: Issue: Supportability and Usability -- Browsers

Overview: Use framework such jQuery which will help us solve the problem of compatibility

Factor:

Different users use different browsers. Organizations will have different browsers, too. Different browsers will cause the problem of compatibility because they support different features. It is a challenge for all websites.

Solution:

We use jQuery and some other framework to help us get out of the problem of compatibility. It can solve most problems.

Motivation:

It will be a bad experience for users who use more than one browser if the compatibility is not solved thus they will choose not to use this website and our service.

Unsolved:

Supporting all browsers is impossible, we choose just support popular ones including Firefox, Chrome and Internet Explorer.

Other solutions:

We can do it ourselves. But it is a waste of time if we can reuse frameworks.

Issue Cards: Issue: Laws - legal activity

Overview: Obey local laws.

Factor:

According to local laws, all activities should obey local laws and the website should obey local laws too.

Solution:

Laws vary in different places. But all activities should obey laws. When organizations promote a plan about an activity, administrators should consider many factors including local laws to determine if the activity can be held.

Motivation:

If we don't obey local laws, the website will shut down and we will be punished and fined. Some other problems may be caused, too. To ensure our normal performance, we should obey local laws.

Unsolved:

None.

Other solutions:

None.