* + 1. **Human access channels**
* Thick client

-all resources need to be downloaded from the server

* Responsive design

-Ui can be scaled according to device/size. E.g. bootstrap

Software

-Any modern Browser that support HTML & JavaScript

-Web sockets to transfer data

* RESTful API

**1.1.2 System access channels**

* Other systems will access the system via the API
* RESTful API
  1. **Integration channels**
* Database (LDAP)

\* for authentication and registration groups and default registration groups

-Bind access to the database

* CS Department mail server

-For Notification from system

-Need authentication details of no-reply [cs@up.ac.za](mailto:cs@up.ac.za)

-Will use LDAP email field as “to” address

2 **Architectural Responsibilities**

* Allow cs.up.ac.za to via the API to share resources (cross-origin resource sharing)
* All media files and documents will be stored on a separate directory on the server
* Daily email notifications as contributors of a thread.
* Instant email notifications to
* Owner of thread when a thread is
* Updated
* Deleted
* Received reply
* Owner of a reply
* Updated
* Deleted
* Referenced

-Server

**3. Quality Requirements**

3.1 Scalability – critical

The system should be able to be used by two or up to 2000 users that is specified by the client.

Must be able to support multiple users to connect and use the buzz system concurrently.

3.2 Monitorablity and Audibility – critical

So lectures can monitor the discussion boards and what is posted on the forum.

So lectures can evaluate (marking) and monitor each user.

Prevention of irrelevant discussions of any value been created.

3.3 Performance – nice to have

It’s more critical for our system to be scalable than fast.

3.4 Maintainabilty – nice to have

As the system is reliable and the availability of the system maintainability is not really required.

3.4 Reliability and Availability – important

Is important in our system as maintainalbity will be less needed in a ideal reliable system.

When looking at a discussion boards one of the key features of it is it being available at all times and reliable.

Discussions that are of a time essence can be seen to.

3.7 Testability – nice to have

Will be user testing

3.5 Security – important

It’s important because the whole evaluating of users participation is involved, not all users must be able to access it. Only users who are registered to the site have access and partake in the discussion boards. And that links in with reliability and availability

3.8 Usability – important

To make it as easy as possible for anyone to use the system.

So users can easily partake in the discussions and be willing to so that they can be marked.

3.9 Integrability – important

One of the main components of the system is it being able to be used in any system and how easy it is to integrate it into any system.

4 Architecture constraints

Java EE

Time