

COS 301 Demo 1  
DiGital BlackSmiths  
Outline of Requirements and Design  
Documentation

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Requirements as stipulated by client documentation The requirement will be categorized according to performance, quality, security and interface requirements.

## **Performance Requirements**

- The system must perform efficiently and fast despite the number of users. With that said it must be able to sustain a large number of users as it grows and develops further.
- It must also be able to work efficiently despite the content linked to or attached to the database. There must be effective content management. It was also suggested that content be limited to a specific size.
- The interaction between the server, database and the actual delivery of content to the user must be speedily and correct
- System must be easy to expand

## **Quality Requirements**

- System highly relies on database content  
Which will need to be of approved quality from experts. Also managing content to be passed to and fro without breaking or being heavy on the system
- Availability covered in context of should be responsive as long as user has sufficient internet access

## **Security Requirements**

- It is necessary that each user have secure access to their personalised accounts that can only be accessed after being authenticated. (requires a verification process, method to retrieve password if forgotten and make a user aware that their account was tried to be accessed)
- Parents need to able to verify, access, monitor and/or approve childs account. This is to see their progress but also manage the internet exposure of the learner.
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- The administrators account must be most secure as from this account all aspects of the Learning Centre must be accessible.

## **Interface Requirements**

- Simplistic layout; not have clusters of information distracting the user
- Website must be intuitive (easy to learn); also include instructional videos or prompts to facilitate process
- Website to be implemented using relevant web development technologies
- Various users should have different layouts upon logging in relevant to the tasks they perform.
- Website should be accessible from various devices (PC laptop, desktop) and still respond and work accordingly