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1 *Project Goal*

Main goal of the project is to learn cloud computing technology and by the help of learnt knowledge, we will build a web application, which provides online chatting possibilities to users.

2 *Application requirements*

Application will provide users real time text transmission. Users can have their own unique id and can get back to the older conversation it had. Messages will be sent without any delay and the receiver can read the message when they re-enter the system again.

3 *Project Plan*

Team of two members will work on the project throughout the semester period and work on two different cloud service providers (Windows Azure and Google App Engine) so that it is easier to evaluate individual works. Project will consist of two phases.

In the first phase, members will work on planning and designing the web application and getting required knowledge on cloud computing infrastructure, provided services and relations between those.

In the second phase, the team will work on their own parts of cloud services and make the final cloud application to be ready to use for users. Also, we will re-analyze our application design, to check if it meets the requirements of the project.

№	Task	Date
1	Setting requirements for application	2020/10/09
2	Planning design of application	2020/10/
3	First application prototype	2020/10/23
4	Setting required infrastructure for application to work with cloud computing	2020/11/06
5	Check complete compatibility and making changes to application if necessary	2020/11/20

6	Finish implementation and testing	2020/12/04
7	Final presentation	2020/12/11

4 Required technologies

We will use Javascript libraries such as React js, Angular js, HTML CSS to develop web application. Also, by learning docker we will be able to build, test, and deploy the applications quickly using containers. Containers allow a developer to package up an application with all the parts it needs, such as libraries and other dependencies, and deploy it as one package applications to be bundled, copied and deployed. This way we will comfortably deploy application on cloud computing.