**Real Time Communication in Web-Browsers**David Komissarov, Mohamed Abdelfattah

***Abstract***: *(Optional, usually 120-150 words)*

1. **Motivation**

The reason why we chose this topic, was how important this standard is for the applications we use. Real-time communication is a valuable tool that many may take for granted. We would like to shed some insight, on something that is used by nearly everyone. I believe this will be a good topic considering the IFS program. Our peers should already have decent understanding on basic concepts that may be used to implement this standard. Hopefully, this will make it easier for us to communicate any new information. In order to extend the class’s knowledge on web browser communication.

1. **Methodology/Approach**

We plan to make a short video, in order to brush up any information that the class should know. Like any related protocols and procedures. We also plan to use Prezi to organize our information in a nice visual presentation.

1. **Topic Outline**

Introduction:  
- Create a logical guideline to help understand web-based real-time communication  
- Discuss the history of webrtc, like important developments, and uses.   
  
Talk about the requirements  
- Give examples of some use cases for web applications, and explain in detail the steps taken to establish real-time communication between web applications.

Talk about security issues, and concerns relating to Web RTC, and provide solutions

1. **Timeline**

*Lis the timeline and we need to keep the to-do list crystal clear and on schedule in group work. You need to use a strategy of clearly mapping the topics you listed in Section 3 and possibly elaborate more so your group work can be implemented with sufficient details and also can be done as expected. You may also want to discuss the allocation of your group work based on the timeline. Do discuss with your group members to achieve an agreement when completing this proposal.*

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| --- | --- | --- |
| **Week No.** | **Milestone** | **Deadline** |
| 2 | Select project topic and create a group | July 18, 2016 |
| 3 | Finish the reference readings | July 19, 2016 |
| 3 | Discuss the research topics with group members | July 20, 2016 |
| 4 |  |  |
| 4 |  |  |
| 4 |  |  |
| 5 |  |  |
| 5 | Finish project presentation slides | August 3, 2016 |
| 6 |  |  |
| 6 | Submit report | August 12, 2016 |

**5. Expected Results**

*Discuss what you will gain out of this project*

**References**

[*https://datatracker.ietf.org/doc/rfc7478/*](https://datatracker.ietf.org/doc/rfc7478/)

*https://datatracker.ietf.org/wg/rtcweb/charter/*

*Note: (1) replace the description and example given in this document with your contents. (2) you might be contacted to revise your proposal after you submit it. (3) I recommend you put enough details in this 2-page document.*