

# STAR Online Judge

Version 1.0.0



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## **Approval**

The STAR Online Judge is an Programming Contest Platform submitted by Araf Al-Jami, Tahsin Rashad, Aminul Haque Rasel, Mohammad Ashraful Haque Chowdhury respectively to the Department of Computer Science & Engineering, Leading University, Sylhet. It has been accepted as satisfactory in partial fulfillment for the requirement of the degree of Bachelor of Science in Computer Science & Engineering.

**Approved By**  
**Md. Assaduzzaman Khan**  
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## Acknowledgement

At First, we would like to thank almighty Allah. Who gave us the opportunity to accomplish this in the first place.

Every project big or small is successful largely due to the effort of number of wonderful people who have always given their valuable advice or a helping hand. We sincerely appreciate the inspiration; support and guidance of those people who have been instrumental in making this project a success. Thus we on our behalf would want to specially thank our supervisor **Mr. Supervisor** Sir for his glittering supervision. Without his help, guidance and inspiration we couldn't have overcome obstacles in our way.

We are extremely thankful to our honorable **V.C Professor Dr. Md. Qumuruzzan Chowdhury** sir for providing us with an opportunity to present our project. We would also like to thank **Md. Assaduzzaman Khan** sir and all other teachers of **CSE Department** for their moral supportiveness.

At last we submit our gratefulness to those peoples who helped us by sharing their knowledge, advice and expertise during this project.

05 June 2018  
Head of the Department  
Department of Computer Science & Engineering  
Leading University, Sylhet

Subject: An application for permission to approve the project

Sir,

With due respect, we would like to inform you that we are the following students of CSE department. We want to develop an online programming contest platform for competitive programming as a part of our final year project (Project II). We believe that our project will serve as beneficial for inspiring the young upcoming software engineers of our university. So, we kindly need your permission to start our work as soon as possible.

It will be grateful for us if you are kind enough to permit us & oblige thereby.

Your most obedient,

Araf Al-Jami	1432020033	CSE 37 <sup>th</sup> batch
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## **Abstract**

This document is an example of one-page abstract for the book of abstracts of the Modelica Conference 2011. The full conference proceedings will be only published electronically on a memory stick and on the Web. However, for the conference attendant's convenience, a smaller book of abstracts will be printed and made available in the conference kit given to all participants.

The goal of the book of abstracts is to provide the audience with some more information about the papers being presented, so they can choose which presentations to attend during parallel sessions. To this end, you can of course re-use the abstract provided when submitting the paper on the conference management system. However, consider that this page will be a sort of advertisement for your presentation, which will be read during coffe-breaks to decide if your presentation is worth listening to. Therefore, you can try to make it more attractive and informative. For this purpose, you can also include figures, such as Fig. 1, and a few optional references, such as [?] or [?].

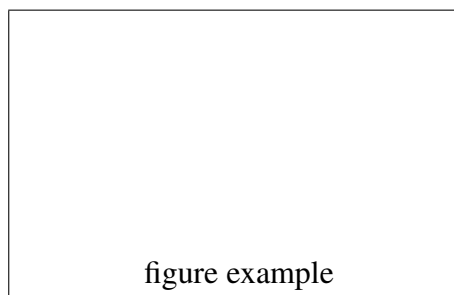


Figure 1: Structure of the DNA double helix

The one-page abstract should be written in English and prepared as a one-page, A4 PDF file (size 210×297 mm) using the Times font, 18 pt for the title, 13 pt for the authors' names and affiliations, and 11 pt for the text. The left and right margins should be 3.5 cm, the top margin 3 cm and the bottom margin 2 cm. Please do not exceed these limits, or your PDF file will not be accepted. The page will then be scaled down slightly for printing. We advise you to use the L<sup>A</sup>T<sub>E</sub>X and MS Word templates provided on the conference website in order to ensure the correct formatting.

Please also note that this abstract must be uploaded on the conference management system no later than January 17, 2011, and that at least one author should have registered by that time, for the final paper to be included in the conference programme and proceedings.



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# **Chapter 1**

## **Introduction**

## **1.1 Introduction**

This report describes the process involved in making an Online Judge (A Programming Contest Platform) for Competitive Programmers. Using Raw PHP together with MySQL, Linux Server, HTML, Javascript, StarUML and L<sup>A</sup>T<sub>E</sub>X(document preparation), we created a Online Judge (A Programming Contest Platform) for Competitive Programmers where the objectives for the users/programmers is to participate in competitions and practise from the problem set or upsolve the problems and users will be able to track their progress with graphical representation. This report discusses the OJ overview, including the description, and then focuses on the design and diagram, describing how the OJ is implemented and the programming functions and technologies used in the design

## **1.2 Software used to develop the OJ**

## **1.3 Features**

## **1.4 Project Purpose**

## **Chapter 2**

# **System Requirements & Design**



# **Chapter 3**

## **Overview of Online Judge**

### **3.1 Description**

### **3.2 Design**

### **3.3 Diagram**



# **Chapter 4**

## **Literature Review**

### **4.1 Introduction**

### **4.2 Codecademy**

### **4.3 Codeforces**





# **Chapter 5**

## **Futere Plan**

### **5.1 Future Plan of STAR OJ**

### **5.2 Conclusion**