

# **NTU Virtual Judge**

## **Administrative User Manual**

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## 2. Introduction

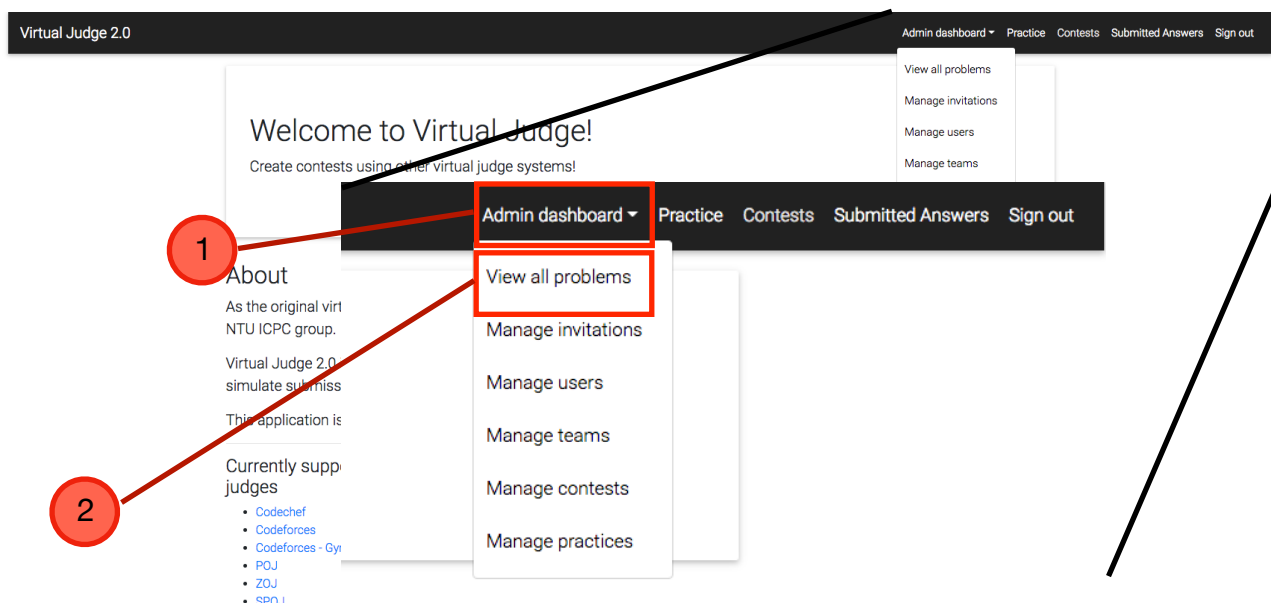
NTU Virtual Judge is an application that serves as the platform for users to host and participate in mock competitive programming contests. This document aims to provide administrative users assistance in using the Virtual Judge system by detailing the steps in performing the main functions of the Virtual Judge.

The Virtual Judge is a web application, the application can only be accessed through the intranet of NTU. The can be accessed at <http://172.21.148.174/>

## 3. Usage

This section details the instructions in performing the main functions of Virtual Judge for administrative user.

### 3.1.View All Problems



1. After logging in, click on the “Admin dashboard” button
2. Click on “View all problems”

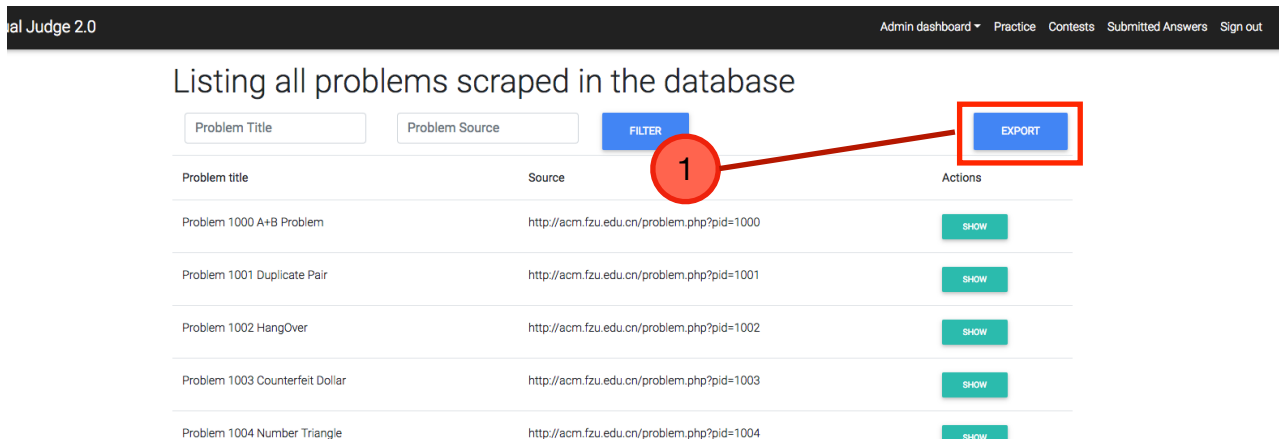
## 3.2.Export Problems

Virtual Judge 2.0 Admin dashboard ▾ Practice Contests Submitted Answers Sign out

Listing all problems scraped in the database

Problem Title  Problem Source  FILTER EXPORT

Problem title	Source	Actions
Problem 1000 A+B Problem	http://acm.fzu.edu.cn/problem.php?pid=1000	<span>SHOW</span>
Problem 1001 Duplicate Pair	http://acm.fzu.edu.cn/problem.php?pid=1001	<span>SHOW</span>
Problem 1002 HangOver	http://acm.fzu.edu.cn/problem.php?pid=1002	<span>SHOW</span>
Problem 1003 Counterfeit Dollar	http://acm.fzu.edu.cn/problem.php?pid=1003	<span>SHOW</span>
Problem 1004 Number Triangle	http://acm.fzu.edu.cn/problem.php?pid=1004	<span>SHOW</span>



1. On the Problems page, click export

User should be prompted to download the CSV file.

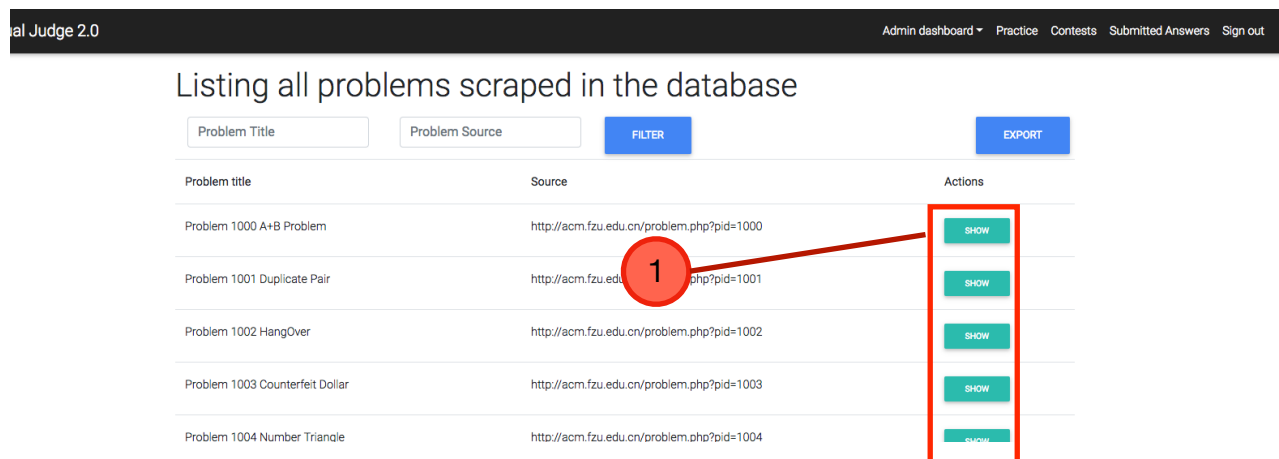
## 3.3.Edit Problem

Virtual Judge 2.0 Admin dashboard ▾ Practice Contests Submitted Answers Sign out

Listing all problems scraped in the database

Problem Title  Problem Source  FILTER EXPORT

Problem title	Source	Actions
Problem 1000 A+B Problem	http://acm.fzu.edu.cn/problem.php?pid=1000	<span>SHOW</span>
Problem 1001 Duplicate Pair	http://acm.fzu.edu.cn/problem.php?pid=1001	<span>SHOW</span>
Problem 1002 HangOver	http://acm.fzu.edu.cn/problem.php?pid=1002	<span>SHOW</span>
Problem 1003 Counterfeit Dollar	http://acm.fzu.edu.cn/problem.php?pid=1003	<span>SHOW</span>
Problem 1004 Number Triangle	http://acm.fzu.edu.cn/problem.php?pid=1004	<span>SHOW</span>



1. On the Problems page, click on “show” button

Problem 1000 A+B Problem

<http://acm.fzu.edu.cn/problem.php?pid=1000> COPY LINK TO CLIPBOARD

EDIT PROBLEM DELETE PROBLEM

**Accept: 10843 Submit: 25565**  
**Time Limit: 1000 mSec Memory Limit: 32768 KB**

**Problem Description**

Calculate a + b.

**Input**

2. Click on “Edit Problem” button

### Edit contest

Title

Problem 1000 A+B Problem

Description

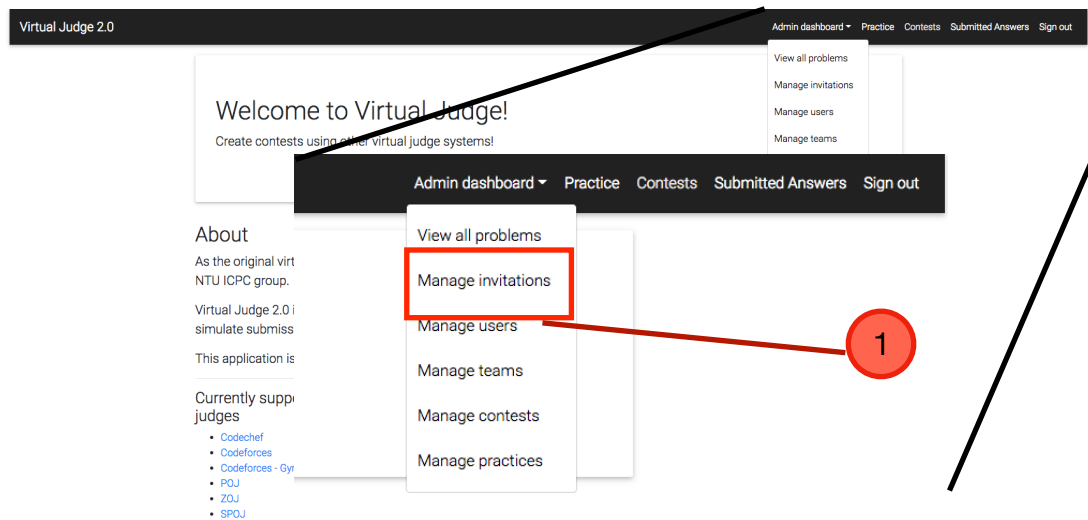
```
<div class="problem_desc">
<h3>Accept: 10843 Submit: 25565<br/>Time Limit: 1000 mSec Memory Limit : 32768 KB</h3>
</div>
<div class="problem_content">
<h2> Problem Description</h2>
<div class="pro_desc">Calculate a + b.</div>
<h2> Input</h2>
<div class="pro_desc">The input will consist of a series of pairs of integers a and b, separated by a space, one pair of integers per line.
</div>
<h2> Output</h2>
<div class="pro_desc">For each pair of input integers a and b you should output the sum of a and b in one line, and with one line of output for each line in
input.
</div>
<h2> Sample Input</h2>
<div class="data">1 5 2 3
</div>
<h2> Sample Output</h2>
<div class="data">6 5
</div>
<h2> Source</h2>FOJ1000 </div>
```

SUBMIT

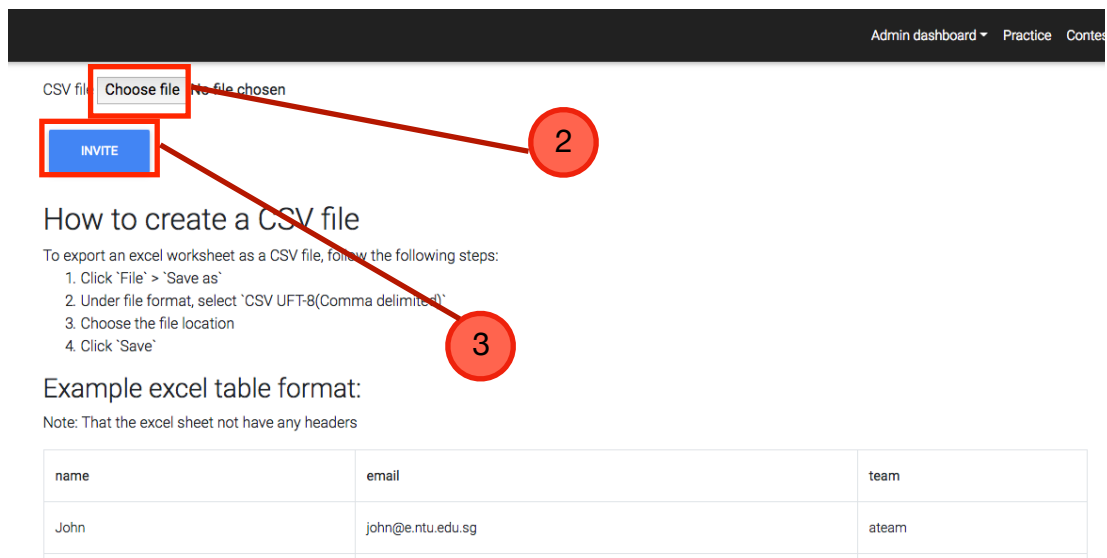
3. Make edit using the input provided

4. Click the “Submit” button

### 3.4. Invite Users



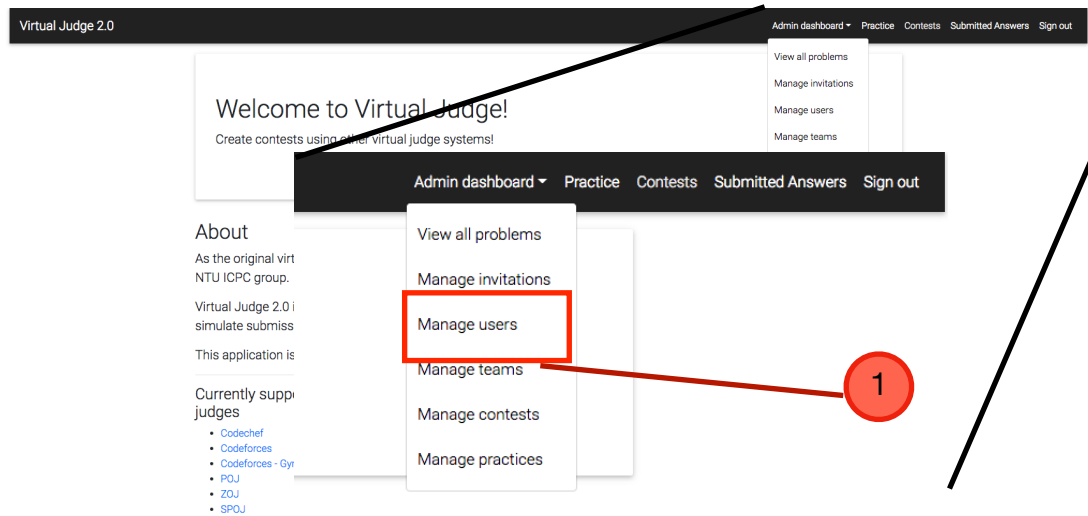
1. Click on “Manage Invitations” button



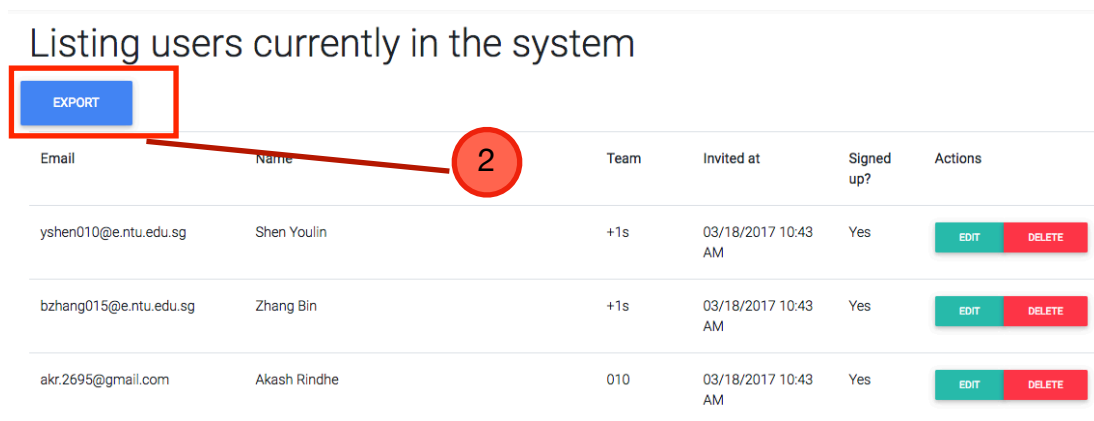
2. Select CSV file.

3. Click on the “Invite” button

### 3.5.Export Users



1. After logging in, click on the “Manage Users” button.

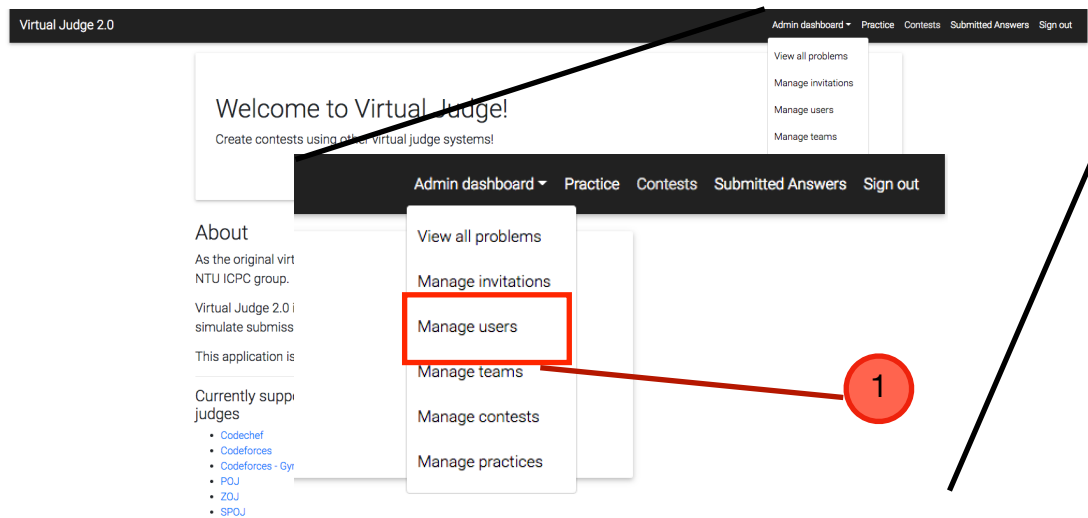


2. Click on the “Export” button

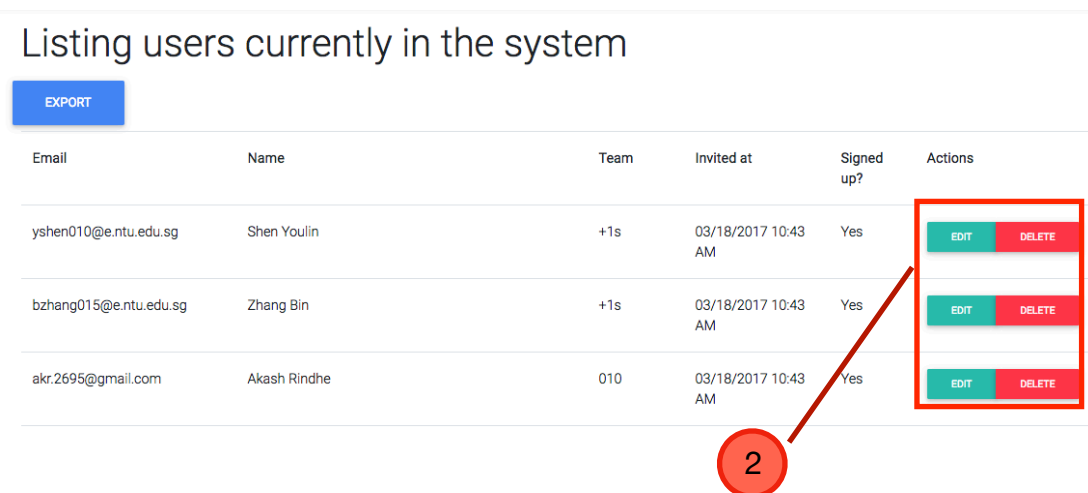
User should be prompted to download the CSV file.



### 3.6.Assign User to Team



1. After logging in, click on the “Manage Users” button.



2. Click on the “Edit” button.

Admin dashboard Practice Contests Subn

### Edit user info

Name: Test User

Email: test@test.com

Team: No team

**SUBMIT**

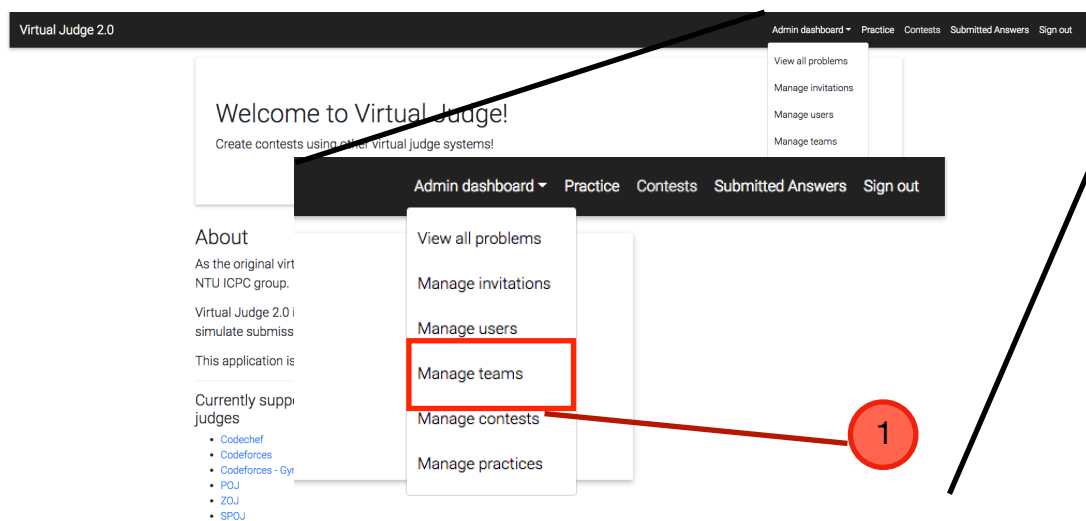
3

4

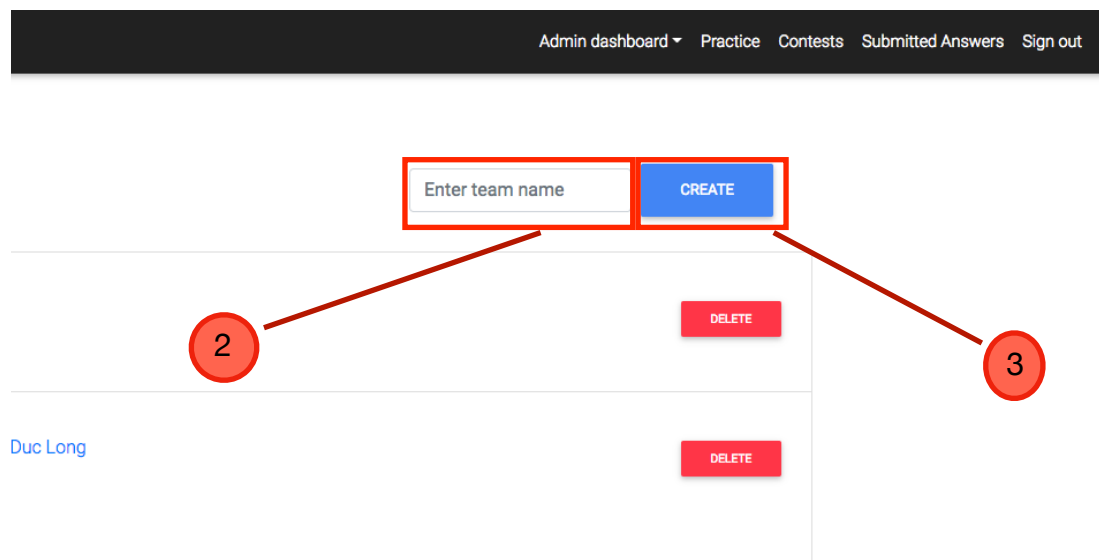
3. Select the team to be assigned

4. Click on the “Submit” button

### 3.7.Create Team



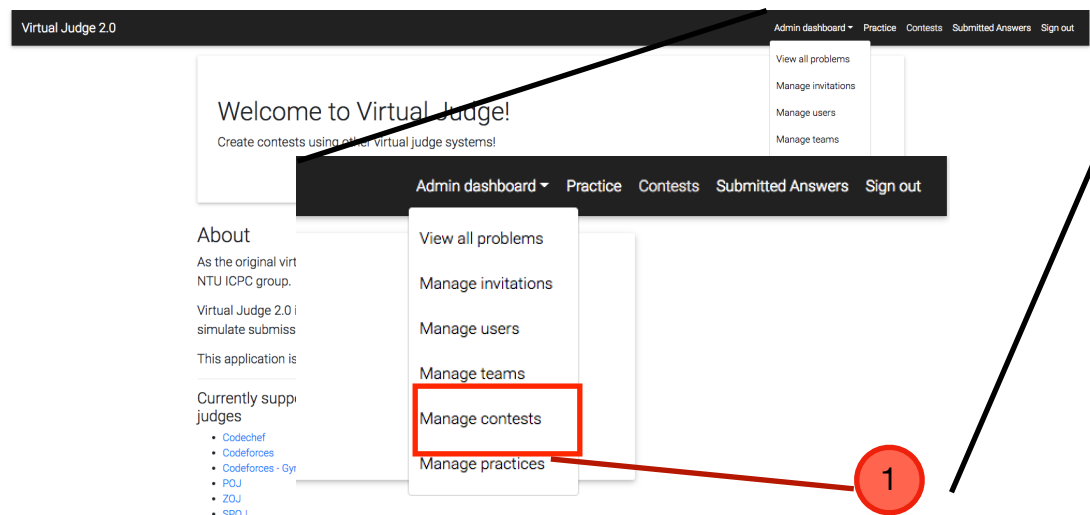
1. After logging in, click on the “Manage Teams” button.



2. After logging in, click on the “Manage Teams” button.

3. After logging in, click on the “Manage Teams” button.

### 3.8.Create Contests



1. After logging in, click on the “Manage Contests” button.

## Listing contests

Title	Start time	End time	Duration	Description	
Programming contest #1	03/18/2017 10:50 AM	03/18/2017 12:50 PM	120	Alpha test	<a href="#">SHOW</a>
Alpha Test	03/24/2017 12:20 AM	03/24/2017 10:20 AM	600	Alpha testing of the system	<a href="#">SHOW</a>
1 Contest	01/28/2018 12:07 AM	01/28/2018 2:07 AM	120	1 Contest for testing	<a href="#">SHOW</a>
Test	10/14/2018 4:32 PM	09/08/2020 3:12 AM	1000000	asd	<a href="#">SHOW</a>
Contest 1	09/04/2017 5:50 PM	09/09/2036 4:30 AM	10000000	The first Contest	<a href="#">SHOW</a>
Fresh New Contest	09/25/2017 12:00 AM	07/19/2040 8:00 AM	12000000	Test Time Ranking Board	<a href="#">SHOW</a>

New contest


2

2. Click on the “New contests” button

Admin dashboard ▾PracticeContestsSubmit

New contest

Title



Start time

Duration (in mins)

Description

ADD PROBLEM

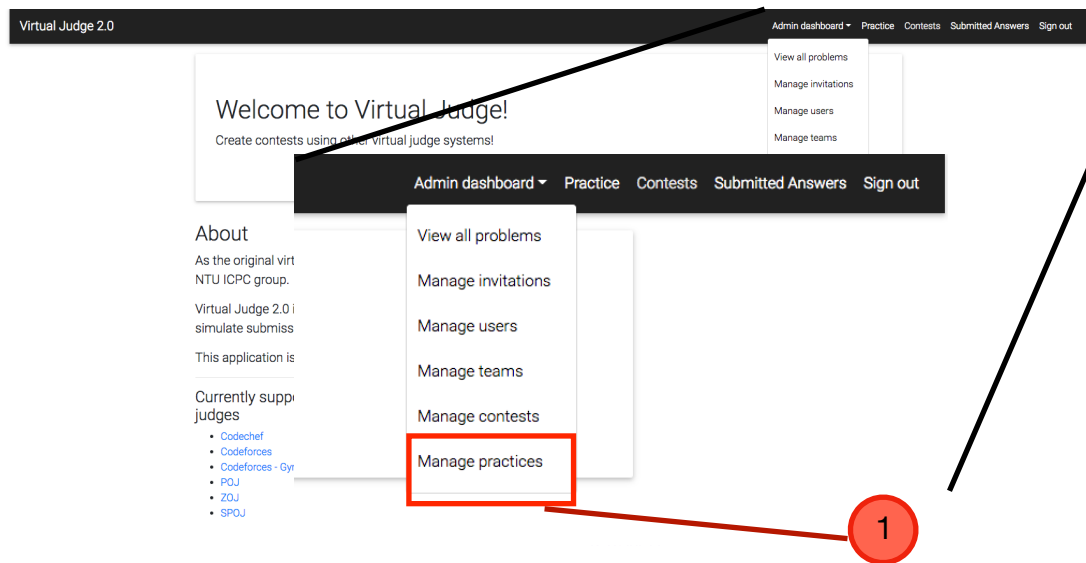
SUBMIT

Back

### 3. Input necessary information

4. Click on “Submit” button

### 3.9.Create Practice



1. After logging in, click on the “Manage Practices” button.

## Listing all practices

Name	Actions
Beginners	<a href="#">SHOW</a> <a href="#">EDIT</a> <a href="#">DELETE</a>
Intermediate	<a href="#">SHOW</a> <a href="#">EDIT</a> <a href="#">DELETE</a>
Test Practices	<a href="#">SHOW</a> <a href="#">EDIT</a> <a href="#">DELETE</a>

[NEW PRACTICE](#)

2

2. Click on “New Practice” button.

The screenshot shows the 'New practice' form. At the top, there is a dark header bar with 'Admin dashboard' and 'Practice' links. Below the header, the title 'New practice' is displayed. The form contains two input fields: 'Name' and an empty field. To the right of the 'Name' field is a blue button labeled 'ADD PROBLEM'. Below the 'Name' field is a blue button labeled 'SUBMIT'. To the left of the 'SUBMIT' button is a blue link labeled 'Back'. Two red circles with numbers are used as annotations: circle '3' points to the 'ADD PROBLEM' button, and circle '4' points to the 'SUBMIT' button. A red rectangle highlights the 'Name' field and the 'ADD PROBLEM' button.

3. Input the necessary information

4. Click on the “Submit” button

## 4. Further Help and Contact Information

For more information, you can contact us through the following personnel.

Title	Name	Email
System Owner	Kevin Anthony Jones	askajones@ntu.edu.sg
System Administrator	Ang Teng Huat	c150125@e.ntu.edu.sg