《面向信息技术的沟通技巧》期末考试
– 考生须知

Final Exam for

Advanced Data Structures and Algorithm Analysis

– Instructions to Candidates

《面向信息技术的沟通技巧》期末考试将于 2020 年 6 月 26 日 18:30-20:30 在 PTA（https://pintia.cn/）在线进行。

The Final Exam for **Communication Skills in Information Technology** is scheduled to be held from 18:30-20:30 on June 26th, 2020, and will be running online on PTA (https://pintia.cn/).

准备工作 / Preparation

1. 考生必须自备带有摄像头和 Windows 7/8/10 操作系统、.NET Framework 4.7.2 的**计算机**（以下简称"考试用机"），以及一部可以安装监考微信小程序的**手机**（以下简称"联络手机"）。

   Candidates must prepare a **computer** (hereinafter referred to as "*examination machine*") with the Windows 7/8/10 operating system, .NET Framework 4.7.2 and a camera, plus a **mobile phone** (hereinafter referred to as "*contact phone*") which can have the WeChat Mini Program installed.

2. 以考试用机访问 https://pintia.cn/download-oms-client ，下载"考生考试客户端(新版)"。注意选择与考试用机操作系统一致的版本（**32** 位或 **64** 位）。

   Use your examination machine to visit the site https://pintia.cn/download-oms-client and download "OMS Client (New)". Notice that you must choose the version (32 bits or 64 bits) that is compatible with your examination machine.

OMS 监考客户端
互联网时代的监考利器

下载　发布日志　帮助　错误解答

☐ 我已阅读并同意 免责声明 和 用户使用协议（含隐私收集）

点击下载 Windows版 (64位)

请先同意条款

需要 Windows 7/8/10 和 .NET 4.7.2 以上运行环境

Must be compatible with your examination machine.

其他下载

OMS 监考客户端

v1.1.2 Windows版 32位安装包

v1.1.2 Windows版 64位安装包

.NET Framework

.NET Framework 4.7.2 安装包

3. 将下载的压缩包完整解压到自己选定的目录下，双击启动 *oms-client.exe*，等待带二维码的登录窗口弹出。

Unzip the downloaded file to the directory of your choice. Double-click on *oms-client.exe* and wait till you see a login window pop up, with a QR code.
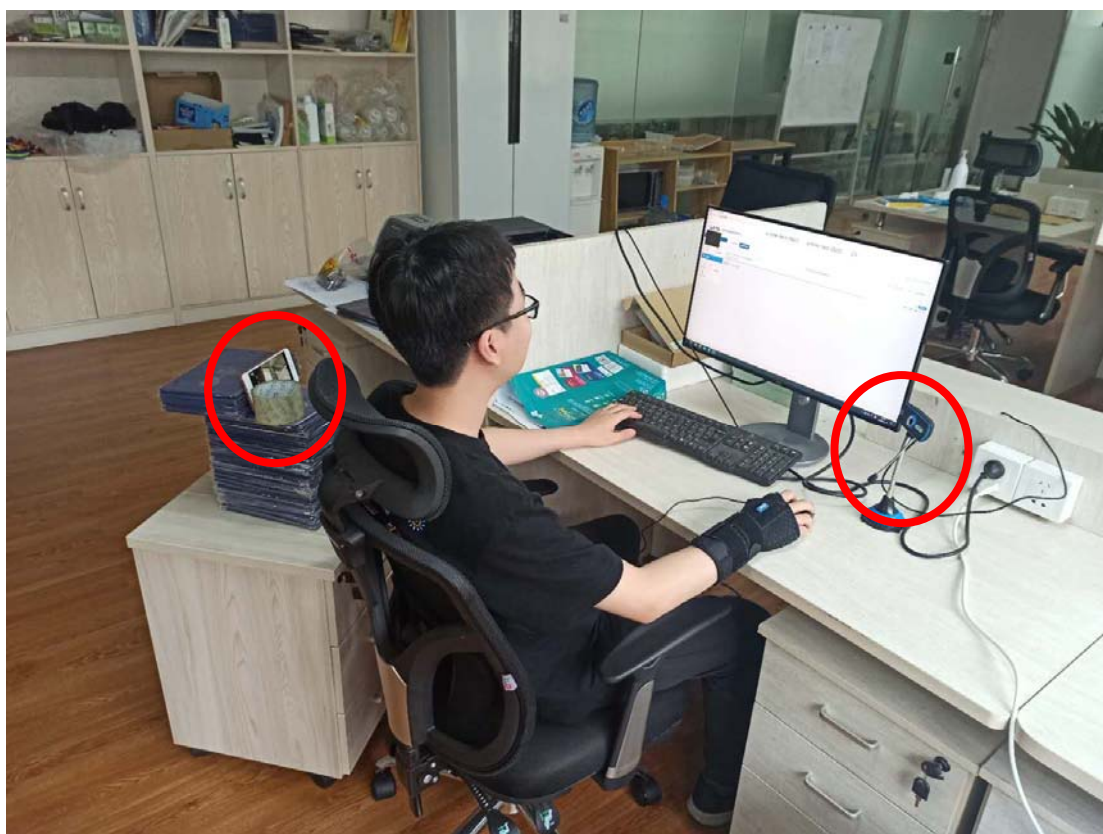

OMS Client 1.1.2

在线环境测试

考号 _____

密码 _____ 👁

登录

注册完成，等待登录…

4. 用联络手机登录微信，扫描下方二维码，进入下图所示的监考微信小程序"PAT 考试报名"的双机位考试登录页。按要求填写考号（测试时填 *online-test*）、拍摄包含监考客户端二维码的照片和一段小视频后点击提交。提交后如果监考客户端能自动登录、正确显示测试用"监考系统普通用户流程测试题目集"、并在考试页面上看到自己的摄像头图像，即为成功。遇到问题请见文末附录"故障排除"。

Use your contact phone to scan the following QR code. Open the entry page of the WeChat mini program "PAT Registration", as shown below. Follow the instruction to enter an account (fill in *online-test* for testing), take a picture of the QR code of the OMS client, shoot a short video, and click to submit. You would be all set if you could be logged into the system automatically, find the testing set "监考系统普通用户流程测试题目集", and see your video image on the testing page. For any trouble encountered, please read "Troubleshooting" in the Appendix.

5. 准备好手机支架，将联络手机架设在考试座位左后方 **45°** 角位置。调整角度以保证手机摄像头可清楚拍摄考试用机的屏幕和考生桌面。如下图所示。

Prepare a mobile phone stand, and set the contact phone at a 45° angle on the left side of the seat. Adjust the angle to ensure that the camera of your contact phone can clearly shoot the screen of your examination machine and desktop, as shown below.

注意 / Notes

1. 如果考生无法找到能正常运行监考客户端的机器、或能正常运行微信小程序的手机，则不能参加线上考试。可向教务部门申请缓考。

   Those candidates who don't have an examination machine or a mobile phone which can run the OMS client and the WeChat Mini Program must NOT sit for the online examination. Candidates may submit an application to the Registrar's Office for a deferred examination.

2. 确认可以参加线上考试的考生，在考试过程中须自己设法保证考试用机、联络手机的正常运转，以及网络的畅通。因考生自己的设备故障造成的影响，由考生自行承担后果。

   Those candidates who confirm that they can sit for the online examination must ensure that your own examination machine, your contact phone, and the network can function properly during the examination. Candidates are responsible for any trouble encountered during the examination due to the flaws with your own device.

参加考试 / Participate in the examination

考生必须在 **17:31 – 18:10** 之间按以下方式完成 PTA 登录：

Candidates must complete log onto PTA between 17:31 and 18:10 as follows:

1. 用联络手机扫描老师给出的**本场考试**的二维码。如下图。

   Use your contact phone to scan the QR code given by your instructor **for this examination**, as shown below.

2. 在考试用机上启动 *oms-client.exe*。

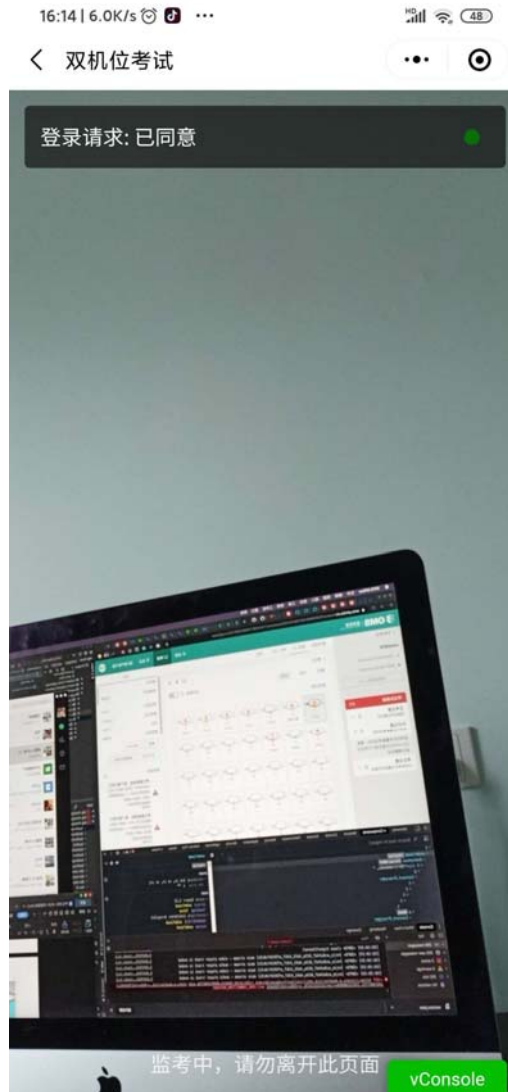   Activate *oms-client.exe* on your examination machine.

3. 在联络手机上输入**本场考试**的考试账号；输入一张照片，要求同时包含监考客户端二维码、本人正脸和手持的身份证（*你可能需要家人或朋友的帮助，因为照片只能用手机的后置镜头拍摄*）；输入环绕拍摄考场的短视频（不超过 15 秒）。点击提交，等待监考员审核通过。

   On your contact phone, input your account **for this examination**; input one photo which contains the OMS client's QR code, and your face with you holding your ID card (*You may need the help of a family member or a friend, because the photo can only be taken with the rear lens of the phone*); and input a short video (shorter than 15 seconds) that shoots around your examination room. Click to submit. Then wait for the approval of your proctor.

4. 若提交内容被拒绝，监考将告知原因。考生须重新提交登录信息，直到合格，即可正常开始考试。注意：登录信息提交后，小程序即进入视频监控状态，考生需要将联络手机放置在左后方机位，保持坐在画面中。

If your submission is rejected, you will receive a notification from the proctor.   You have to re-submit your login information until it meets the requirements.   After that, you can start to sit for the examination.   Note: Once your login information is submitted, the mini program will enter the monitoring state.   You must then place your contact phone on the left side and keep sitting in the frame.

注意 / Notes

1. 请将联络手机的通话音量调大，因监考老师可能随时喊话联系考生。

   Please ensure that the volume of your contact phone is high enough lest the proctor should call you at any time.

2. 若考生需要联系监考老师，可点击小程序上的"呼叫监考员"按钮，等待监考老师联系。

   If you need to contact the proctor, click on the button of "Call Proctor" in the mini program, and wait for the proctor to contact you.

3. 考生须保证自己的完整面部在考试全程都被摄像头拍摄到。不允许中途如厕。

   During the exam, you must ensure that your face can be FULLY captured by your camera ALL THE TIME. Going to the toilet during the examination is not permitted.

4. 禁止佩戴耳机等电子设备。

   Wearing headphones and other electronic devices is not permitted.

5. 禁止使用虚拟机。

   No virtual machine is allowed.

6. 禁止使用双屏。

   Using the dual screen is not permitted.

7. 使用任何 USB 接口将触发 OMS 产生一条作弊记录。

   Using any USB interface will trigger the OMS and a cheating record will thus be filed.

8. 考试期间只允许使用"OMS 客户端"访问 PTA，用自己的考试账号登录。不要启动任何其他浏览器，否则监考系统将生成作弊纪录。

   The "OMS client" browser is the only tool eligible for accessing PTA during the exam. Use your test account to log in. DO NOT activate any other browser, or a cheating record will be generated by the monitoring system.

9. 一旦启动 OMS 客户端，未经监考老师允许不得关闭窗口，更不得以任何方式登出。即使提前退出考试，也不可以自己关闭客户端，必须呼叫监考老师来处理。否则监考系统将生成作弊纪录。

   Once the OMS client is activated, DO NOT close the window or log out without the permission of the proctor. You must never close the client window by yourself. Call the proctor to handle it even if you withdraw from your exam early, or a cheating record will be generated by the monitoring system.

10. 开卷考试。你可以使用自己的考试用机上存储的任何资料，但不可搜索别人的工作。

    The exam is open-book. You may use any material stored on your examination machine, but you must not search for other people's work.

11. 考生可随时将问题的解答提交给裁判系统。允许反复提交。判断、选择、填空题的结果会在考试结束后显示；函数题的结果即时反馈。但请注意：如果你自己不主动提交，系统不会自动替你提交解答。

    Candidates can submit your answer at any time during the exam. Repeated submissions are allowed. The results of "True or False questions", "Multiple Choice questions", and "Blank Filling questions" will be shown at the end of the exam, while the instant feedbacks of "Function Programming" problems will be received during the exam. However, please notice that if you do not submit your answer, the system will NOT submit it for you automatically.

12. 每个考生可以在 **18:30** 之后的任何时刻开始考试。注意：一旦考试开始，则倒计时开启，并且不会因为浏览器关闭或重启机器而停止。当倒计时结束、或时间到达 **20:45** 时，该考生的考试结束。

Every candidate can start his/her exam at any time after 18:30. Note: Once an exam starts, the countdown will begin and it won't be stopped by closing the browser or restarting the computer. Your exam will be ended when the countdown ends, or when 20:45 is reached, whichever comes first.

13. 考试时长为 **120** 分钟，然而主考有权在遇到不可预见的问题时改变考试时长。一旦时长更改，将尽最大可能以统一方式及时通知所有考生。

Even if the exam is scheduled to last 120 minutes, the chief proctor has the authority to alter the duration of the exam in the event of unforeseen difficulties. Should the exam duration be altered, every attempt will be made to notify all the candidates in a timely manner.

14. 当有系统服务器端的突发事件（例如断网、断电、系统崩溃）使得考试无法进行，则考试将另行安排时间。但请注意：按照惯例，考试最后 **10** 分钟如果出现问题，则以系统恢复时的结果为最终结果，不另做弥补。

In case of an emergency (such as a broken network connection, a power outage, or a system crash) on the system server side that makes the continuation of the exam impossible, the exam will be re-scheduled. However please note that, as a rule, if the problem occurs in the last 10 minutes of the exam, there will be no compensation and the results obtained after the recovery of the system will be final.

附录 ／Appendix：故障排除 ／Troubleshooting

1. 登录后闪退/Login crash

   解决：打开系统麦克风权限。若仍然不能解决问题，说明你无法使用带摄像头的版本。可选择无视频监考的 **v 0.12.0** 版本（**https://oms.pintia.cn/clients**）。

   Solution: Turn on system microphone permissions. If the problem is still not solved, it means you can't use this version which requires the use of your camera. You may choose version 0.12.0 without video surveillance (https://oms.pintia.cn/clients).

2. 登录时显示"服务器连接异常"／Abnormal server connection

   解决：安装 vcredist2015 或以上（**https://www.microsoft.com/en-us/download/details.aspx?id=48145**）。

   Solution: Install vcredist2015 (https://www.microsoft.com/en-us/download/details.aspx?id=48145)

3. 客户端更新时抛异常 ／Exceptions during client updating
   System.Net.Sockets.SocketException

   解决：关闭客户端，以管理员身份在 Windows 命令行或 Windows Powershell 运行 ***netsh winsock reset***，出现 "Successfully reset the Winsock Catalog" 后重启电脑即可。

   Solution: Close the client. Run command "*netsh winsock reset*" in command window or Windows Powershell, as the administrator. Restart your computer after you see "Successfully reset the Winsock Catalog".

4. 登录后字体显示不正常 ／The font is not displayed properly

   解决：没有完整解压下载的压缩包，丢失了文件。重新下载、解压，再运行。

   Solution: The downloaded file is not properly unzipped and some file is lost. Download and unzip again, then restart the client.

5. 其他异常 ／Other exceptions

   解决：首先确认压缩包完整解压到文件夹下。其次确认安装了正确的 **.NET 4.7.2** 版本。最后确认在 Windows 功能中禁用 .NET Framework 3.5 相关功能。如果仍然不能解决，则去客户端所在的目录下找到文件"oms-client.log"，发送给监考求助。

   Solution: First confirm that the zipped file is completely unzipped into a directory. Then make sure that .NET 4.7.2 is properly installed. Finally check if .NET Framework 3.5 related features have been disabled in Windows features. If the problem is still not solved, find the file "oms-client.log" from the directory that contains the client, send it to the proctor and ask for help.