



Viva Preparation Checklist Before viva starts

Updated automatically every 5 minutes

Important Note:

Level 1 Viva Guidelines for MAD-1 and MAD-2

1. **You will have 30 minutes to showcase your application. No additional time will be provided.**
2. **If absent or unable to complete the demonstration within 30 minutes:**
 - **Rescheduling is not possible due to the high number of participants and limited time.**
 - **Your proctor will evaluate your performance based on what is demonstrated within the given timeframe (30 minutes).**
3. **Scoring and Progression:**
 - **If your score does not meet the minimum threshold, you will not qualify for Level 2.**
4. **Avoid unnecessary arguments with proctors; it may lead to disciplinary action against you.**
5. **You will receive the viva schedule email within 12-24 hours of scheduled time. If the email does not arrive, please wait patiently. (e.g. If your viva is scheduled for 10 AM tomorrow, you will receive the email by this evening.)**
6. **If your PC camera is not working at the time of viva use your phone camera. Be ready with the setup beforehand, don't wait for viva to start and do the setup there. Join the meet link 10 minutes prior to the viva timing.**

Trivia: Average time for level 1 viva MAD-1: 12-15 minutes, MAD-2: 20-26 minutes



Viva Preparation Checklist Before viva starts

Updated automatically every 5 minutes

1. **Be Ready to Run the Code:** Ensure your project is fully ready to execute without delays.
2. **Celery Task Timing:** Know how to configure task timings before running Celery servers. (for MAD-2, not for MAD-1)
3. **Server Commands:** Keep all required server commands noted in a text file for easy copy-pasting.
4. **Keep ID Card Handy:** Open your student ID card on the browser to avoid delays.
5. **Checksum and File Testing:**
 - Validate the checksum using the script provided below.
 - If the checksum mismatches, follow the instructions to extract and revalidate (Proctor will help if needed).
6. **Avoid Debugging:** Skip virtual environments if they cause issues, install packages globally if needed.
7. **Test Core Features:** Focus on ensuring all major features work. **Any changes to the code will change the checksum.**
8. You can use previously created virtual environments(`venv`) after running the checksum:
 - If MAD-1 and MAD-2:
 - You can copy and paste already created the `venv`
 - If MAD-2:
 - You can copy and paste already created the `node_modules` (if using Vue CLI/Vite) or install it immediately using `npm install`



Viva Preparation Checklist Before viva starts

Updated automatically every 5 minutes

Use the following script to create a checksum for a folder:

1. Run this command in your terminal/cmd/powershell

```
pip install checksumdir zipfile
```
2. Create a python (check.py) file copy-paste this code in that file.
3. Add this file to the same directory where your unzipped folder is.
4. Run the checksum file using this code python

```
check.py
```

```
import checksumdir
```

```
# Replace "folder_name" with the actual folder path
hash = checksumdir.dirhash("folder_name")
print("Directory Checksum:", hash)
```

Folder structure

```
| -Viva Folder(New folder)
|   |-xyz.zip ( downloaded file)
|   |-xyz
|       |-app_folder (submitted folder)
|       |-check.py ( checksum file)
```

Note:

- Replace "folder_name" with the actual folder name or path.
- The checksum changes even with a single character modification in the project.

Image for help:

The screenshot shows a code editor with a file named `check.py` containing the following Python code:

```
1 import checksumdir
2
3 # Replace "folder_name" with the actual folder path
4 hash = checksumdir.dirhash("household_app")
5 print("Directory Checksum:", hash)
```

Below the code editor, a terminal window is open, showing the execution of the script:

```
PS C:\Users\welcome\Downloads\MAD-1 Sep 2024\viva_folder> cd xyz
PS C:\Users\welcome\Downloads\MAD-1 Sep 2024\viva_folder\xyz> python check.py
Directory Checksum: ac9c542684f271e7215c00369bbb793e
```

The terminal output shows the directory checksum for the folder `household_app` as `ac9c542684f271e7215c00369bbb793e`.



Viva Preparation Checklist Before viva starts

Updated automatically every 5 minutes

Steps to Follow (for macOS or other OS if needed):

1. Programmatically extract the ZIP file using the following script(create file named unzip.py):

```
from zipfile import ZipFile

# Replace "file_name" with the path to the ZIP file
with ZipFile("file_name", 'r') as zip:
    zip.extractall("Unzipped")
print("Extracted successfully to 'Unzipped' folder.")
```

2. Run the checksum script on the newly created folder (Unzipped):

```
import checksumdir

hash = checksumdir.dirhash("Unzipped")
print("Directory Checksum for Unzipped:", hash)
```

3. If the checksum still mismatches, ensure you are using the exact submission downloaded from the course portal and after the proctor confirms you can start your viva.

Pro Tip: Always test these scripts beforehand to avoid last-minute surprises.