Hospital Management System Briefing

This briefing covers:

- What are the requirements of the assessment?
  - How many tasks?
  - What files you need to submit
- What supporting documents can you have?
- For each task, what you should do.

What does this assessment include?

When and what?

- **03pm on, Friday 12/01/2024**

- Component 3: Computer program solution and testing (Total weight 50%).
  - A. Design documentation submitted online (Weight 10%).
  - B. Program source code submitted online (Weight 30%).
  - C. Testing and evaluation inclusive of test cases submitted online. (Weight 10%).

There are three parts to be submitted:-

Part A: **Design document** (worth 10%)

- *Submission format: PDF*

Part B: **Program Code** (worth 30%)

- *Submission format: Python scripts*

Part C: **Testing and Evaluation** (worth 10%)

- *Submission format: PDF*

In addition you also need to submit a

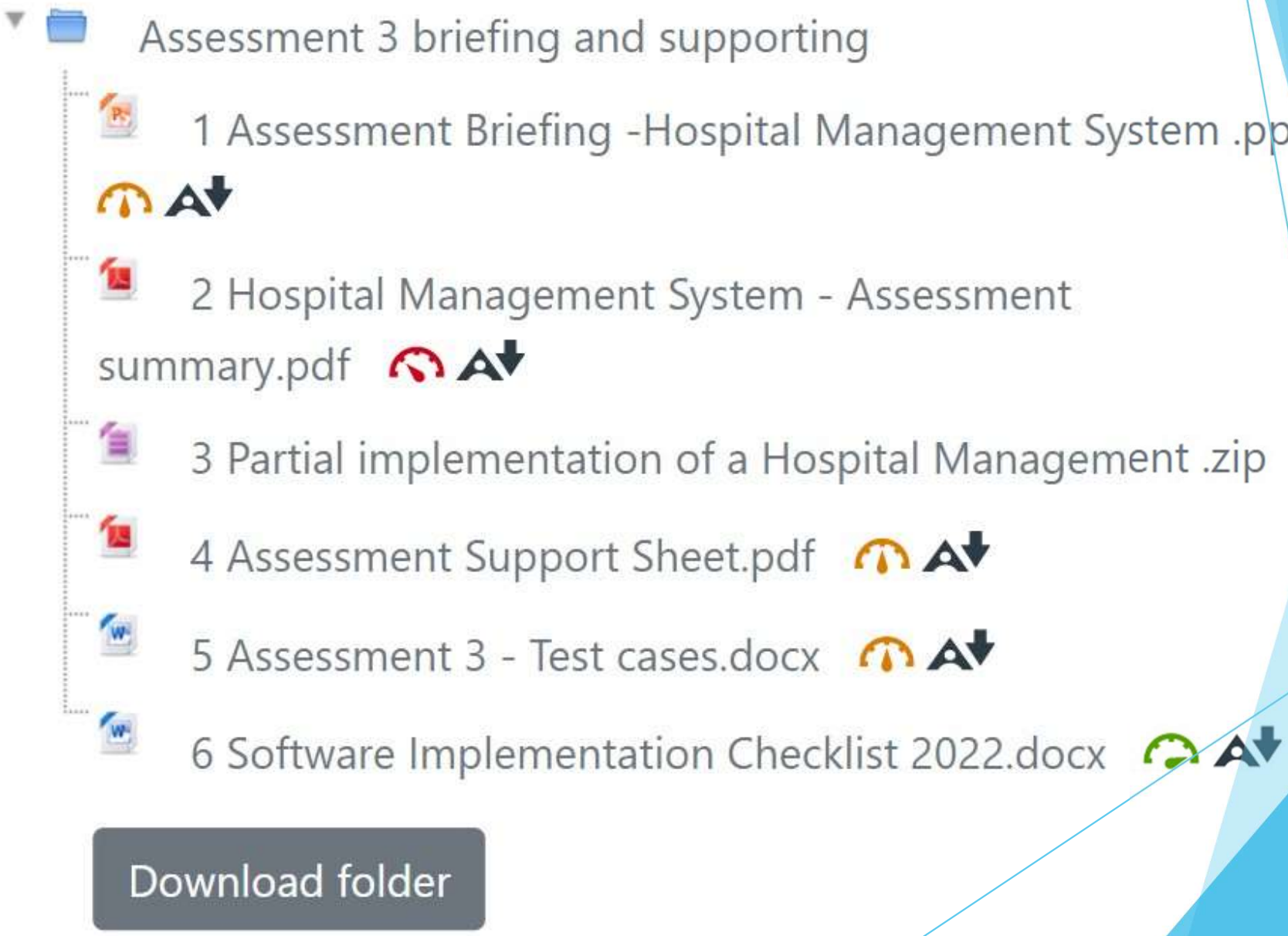
Software Implementation Checklist

- *Submission format: PDF*

All four should be zipped up into a file and submitted to the upload link on Moodle. You should only upload once, so ensure it is all tested and works correctly before you do so

What supporting documents can I get??

Files available on Moodle



Part A: **Design document** (worth 10%)

- For this part, you need to submit two flow charts in PDF/Word format.
  - It's recommend to use https://app.diagrams.net/.
- One diagram should depict the admin log-in process for the hospital management- 4%
- Second diagram should explain a critical/complicated process of the system e.g.,
  - admin assigning a doctor to a patient.

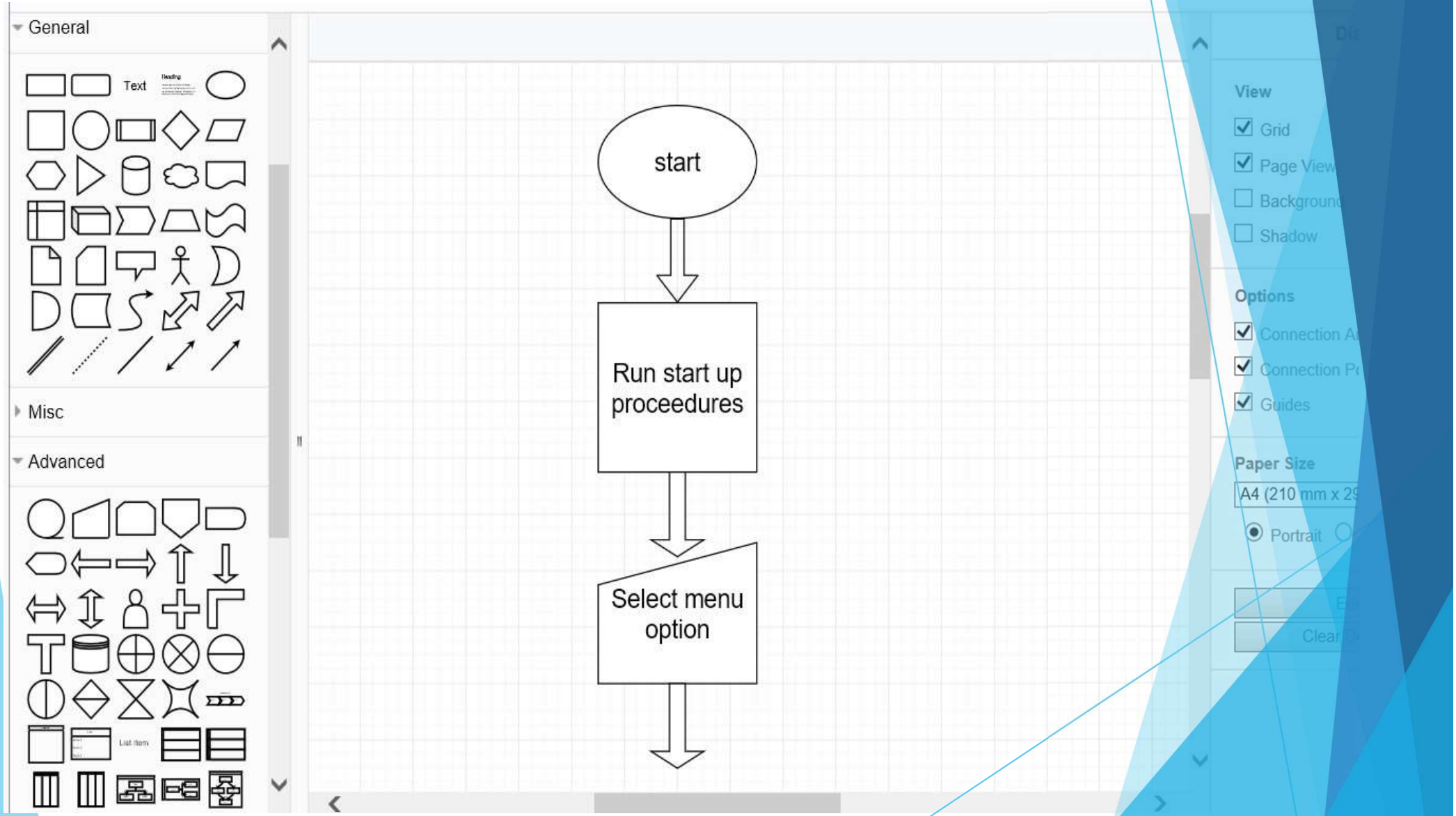
Within the module's Moodle site (towards the top under Design Resources) you can find a reference to a Flowchart drawing tool called **draw.io**

You can find it on-line at https://www.draw.io

It is intuitive to use.

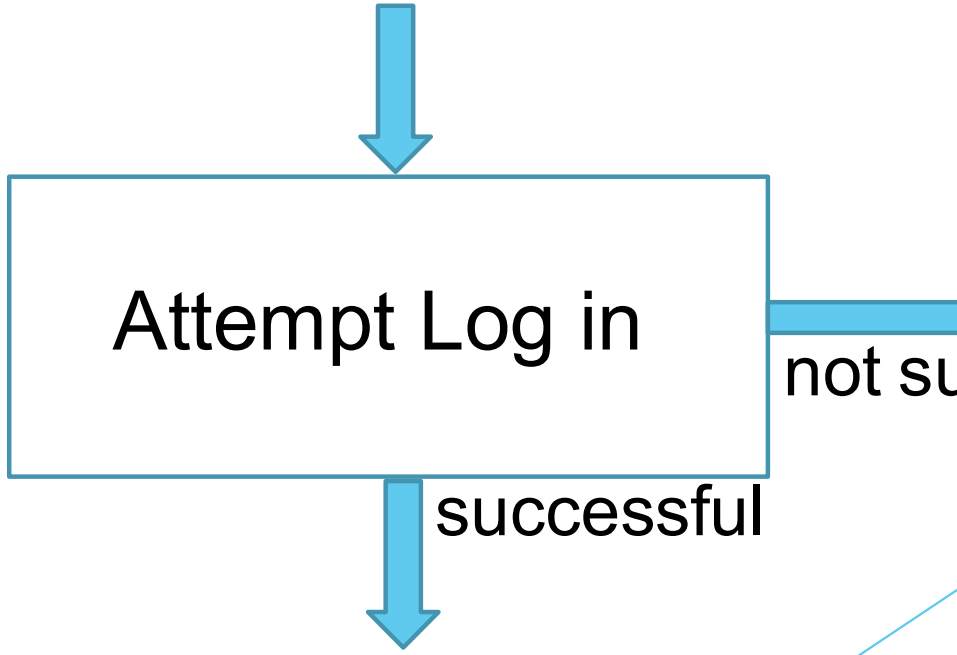
As you can see on the next slide

Here is an example of using the given software application to produce a Flow Diagram.
It is not meant to be indicative of what you might want.



Although you are required to submit two Flow diagrams – one for the log-in process and another for a complicated or critical part of your program - I suggest you first take some time to produce an overview of the whole of your proposed program.

In such an Overview Flow diagram your log-in procedure would just be shown as a single processing box



Part B: Program Code (worth 30%)

For this part you are expected to use the partial implementation code as your starting point. You are not expected to start from scratch.

You are given four Python files:

- doctor.py
- admin.py
- patient.py
- main.py

admin.py is a Class containing functions (or methods) used for managing administration operations. It is a Class that handles core functions of the hospital management operations.
doctor.py is a Class containing functions to handle doctors operations.

patient.py is a Class that deals with the patients' operations

main.py is a file dedicated for creating instances of those classes. The main function to be ran when the program runs. As such it imports the other three classes within it.

Part C: **Testing and evaluation** (worth 10%)

- Need to create 10 test cases by using the provided template

Conclusions

- **Week 9- Week 11 Labs with cover different exercises + support sessions for the assignment**
- **Weekly content**
  - Week 8- Object-Oriented Programming
  - Week 9-OOP inheritance.
  - Week 10-File I/O and how to handle exceptions.
  - Week 11-GUI in Python
  - Week 12-Assessment clinic week
- **Avoid leaving your work until the last minute!**