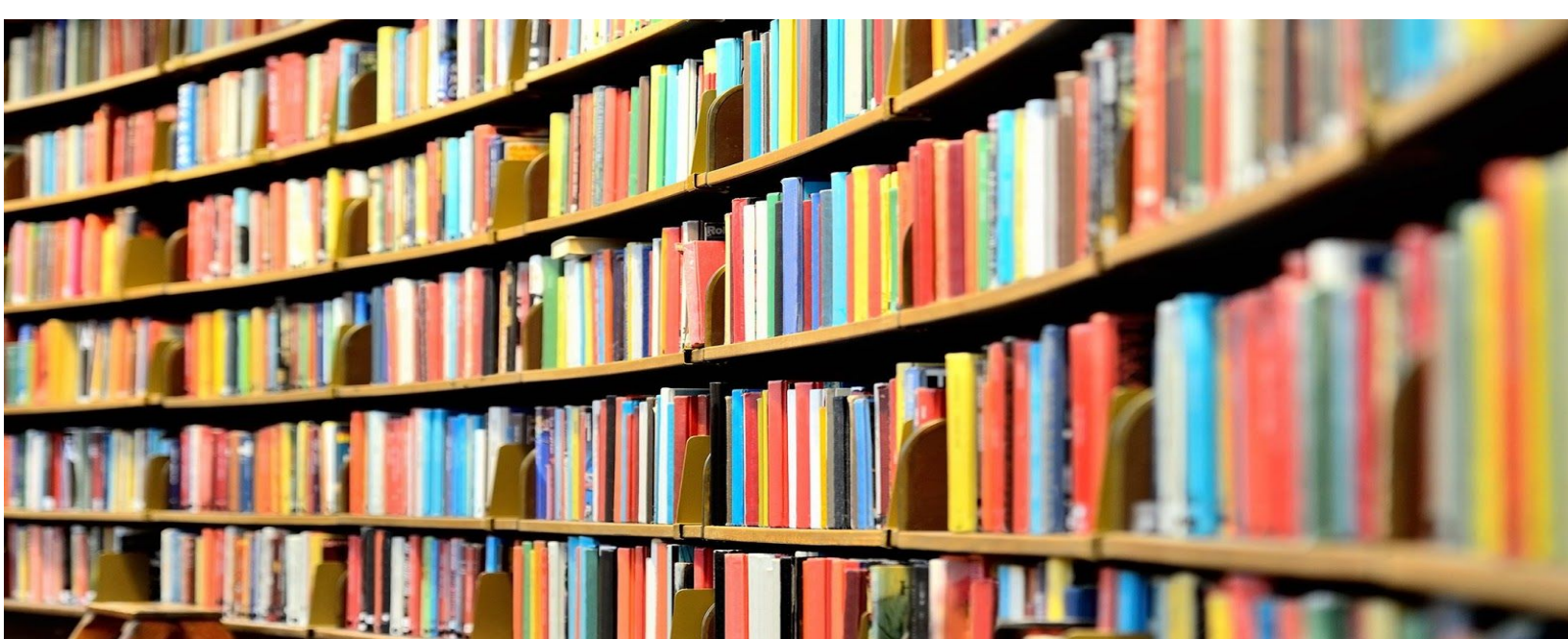# EDYODA

December 27, 2019

1. Library Management System

Objective (350 marks)

1. Develop use case diagram (Tool - draw.io). Major components of Library - Member, Librarian & System. Actions take care by each of these. This is decomposition. (40 marks)
2. Identify similar things (issue & return book)& bundle them together - pattern recognition. (10 marks)
3. Derive classes out of these. Abstraction - Taking only the necessary information. Develop class diagram using draw.io. (50 marks)
4. Complete the Library Management Prototype Project, all the unimplemented functions. (50 marks). Prototype Code - https://github.com/edyoda/Python-Django-Program/blob/master/Library%20Mgmt%20System.zip
5. Flow chart for issue book & return book. (50 marks)
6. Testing the application & show the results (50 marks)
    a. A user issues a book should change the inventory.
    b. The same user returns the book back should change the inventory.

7. Create a minimum 15 mins video presentation of the project. Explain the objective, class diagrams etc. Use slides to make anybody understand the topic. Upload in youtube with EdYoda Project 1 - Library Management System & share with us the link. (100 marks)

Reward

1. Clean & well documented code will be given additional 20 marks.
2. The best project videos will be showcased in www.edyoda.com homepage.

Penalty

1. Copied code will be assigned 0 marks.
2. Candidates scoring below 150 will be considered failed and will have to repeat the project.

Submission

1. Create a zip of all the code & flow charts, video should be on youtube. Fill the details in this form https://forms.gle/FQe1gdQ2j8nkobCt7
2. First Deadline : 8th Jan, 2020. Additional 20 marks will be provided.
3. Last Deadline : 12th Jan, 2020.
4. Projects won't be accepted after 12th Jan.