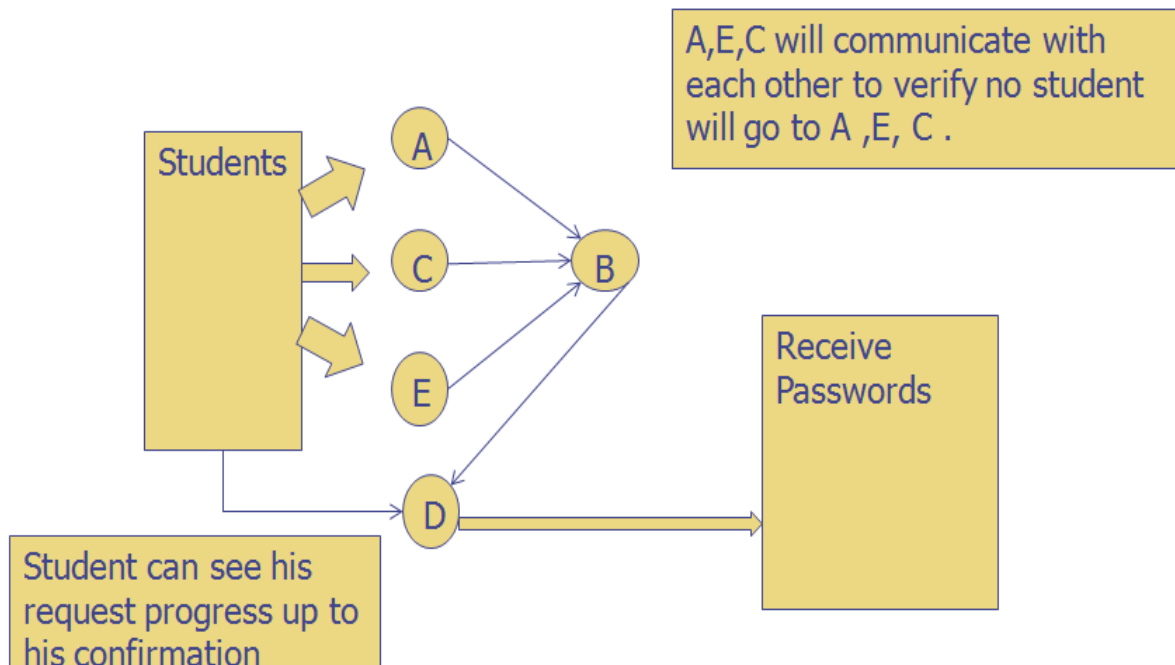


Not Another Producer Consumer Problem (NAPCP)

Scenario: As a student of CSE department you need to access the wifi that is being provided by the BUET authority. The Buet authority assigns some teachers of CSE department to distribute the passwords of different access points. The student has to perform some tasks to acquire this password.

1. He/She needs to provide his student ID to teacher A,C,E.
2. Then he must go to teacher B for signing his request sheet.
3. Teacher A,E,C along with Teacher B needs to verify that not same requested for multiple passwords.
4. Teacher D will receive a complete List of student ID and Password auto generated by Buet authority.
5. Students will collect password from Mr. D randomly not by any fixed serial.

Please can you help the Buet Authority to simulate this picture with inter process communication so they can be ensured all the students receive password.



You can use standard commands for this purpose. Need to maintain a queue of students minimum 30 students needed for completing the scenario.

