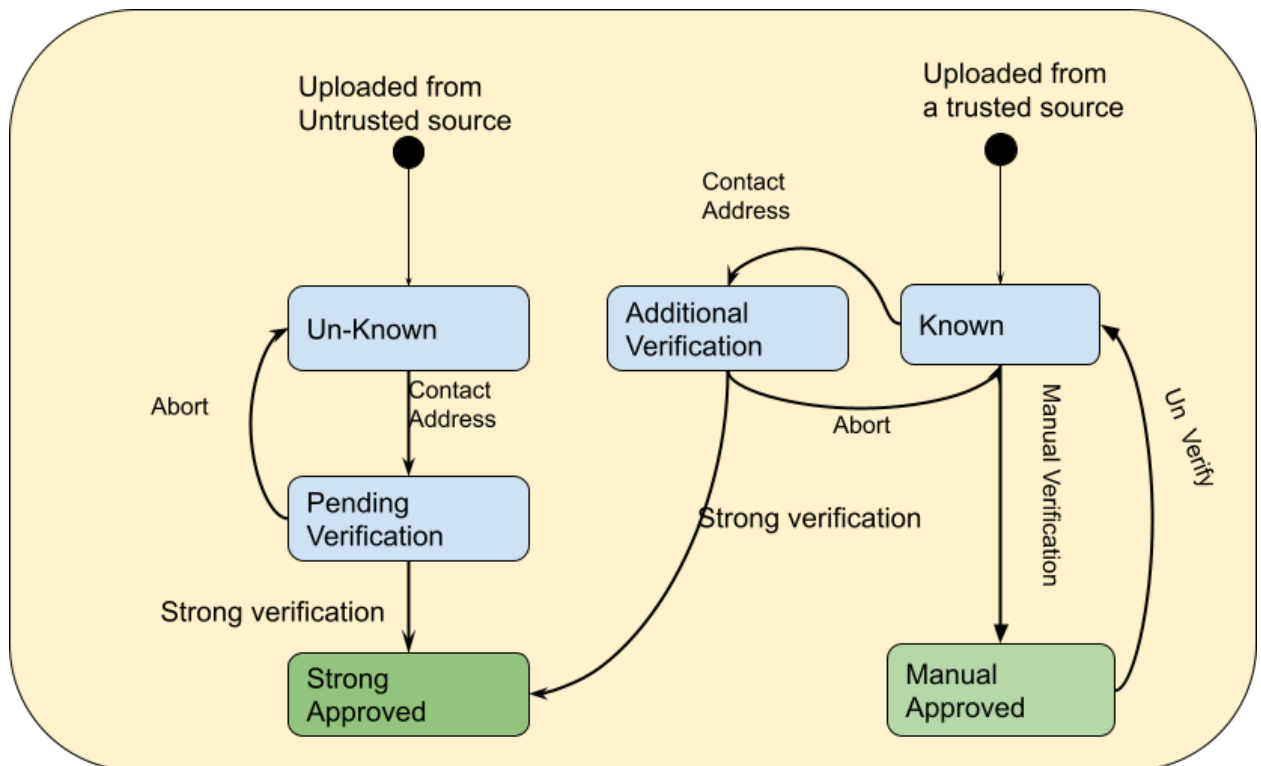1. The following diagram illustrates a <u>state machine</u> to add and modify the verification-state of a Business Card in an organization's address book:

a. A Business Card includes data is composed of: **{id , Name, Address }**
b. A Business Card may be provided from a trusted source.It will be loaded as a <u>known</u> Business Card
c. A Business Card may be provided from an untrusted source . It will be loaded as an <u>Unknown</u> Business Card
d. A Business Card may change its State

Your First Task

1. Build a Spring Boot Java Application using Maven
    a. Create an Address Book where a Business Card can be loaded as Trusted or Untrusted Business Card
    b. Create a **REST** Controller to receive these requests
    c. Create a service to managing the address book
    d. Create a **JPA/Hibernate** persistence layer to store the business Cards and Address Book
    e. Allow to change the Business Card verification state
    f. Load three Business Cards and update the state that the final states will be as follows:
        i. Pending Verification
        ii. Manual Approved
        iii. Strong Approved
    g. Allow a call to retrieve all Business cards in a desired State

Your Second Task

The diagram above describes a state machine where the lines are actions that are available for each State
Your Task is to limit the business card to change state only to the allowed arrows.

Good Luck