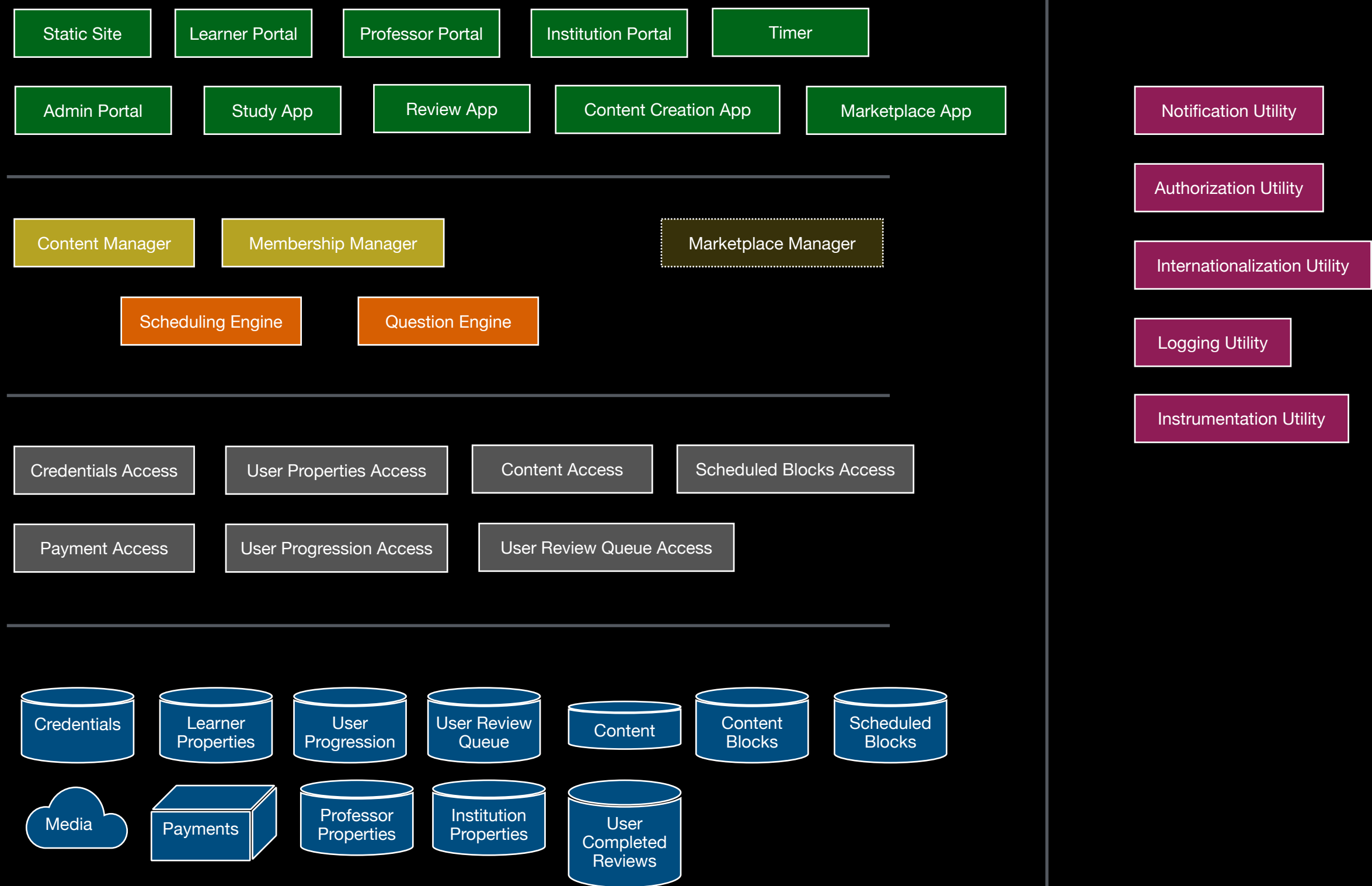


# General Architecture



# Schemas



email: string,  
pass: hash  
role: admin | learner | professor | institution



email: string,  
name: string,  
profile\_pic: string



has\_accepted\_offer: boolean,  
courses\_as\_professor: array



name: string,  
short\_name: string,  
website: string,  
logo: string,  
verification\_status: pending | approved



email: string  
course\_id: string,  
enrollment\_pending: boolean,  
completed: boolean,  
completed\_so\_far: e.g "1.2.1"



email: string,  
course\_id: string,  
block\_id: string,  
review\_at: UTCDate,



email: string,  
course\_id: string,  
block\_id: string,



email: string,  
course\_id: string,  
block\_id: string,  
succeeded: boolean,  
answers: array,  
attempts: integer,  
time\_taken: integer,  
date\_suggested: UTCDate,  
date\_reviewed: UTCDate,

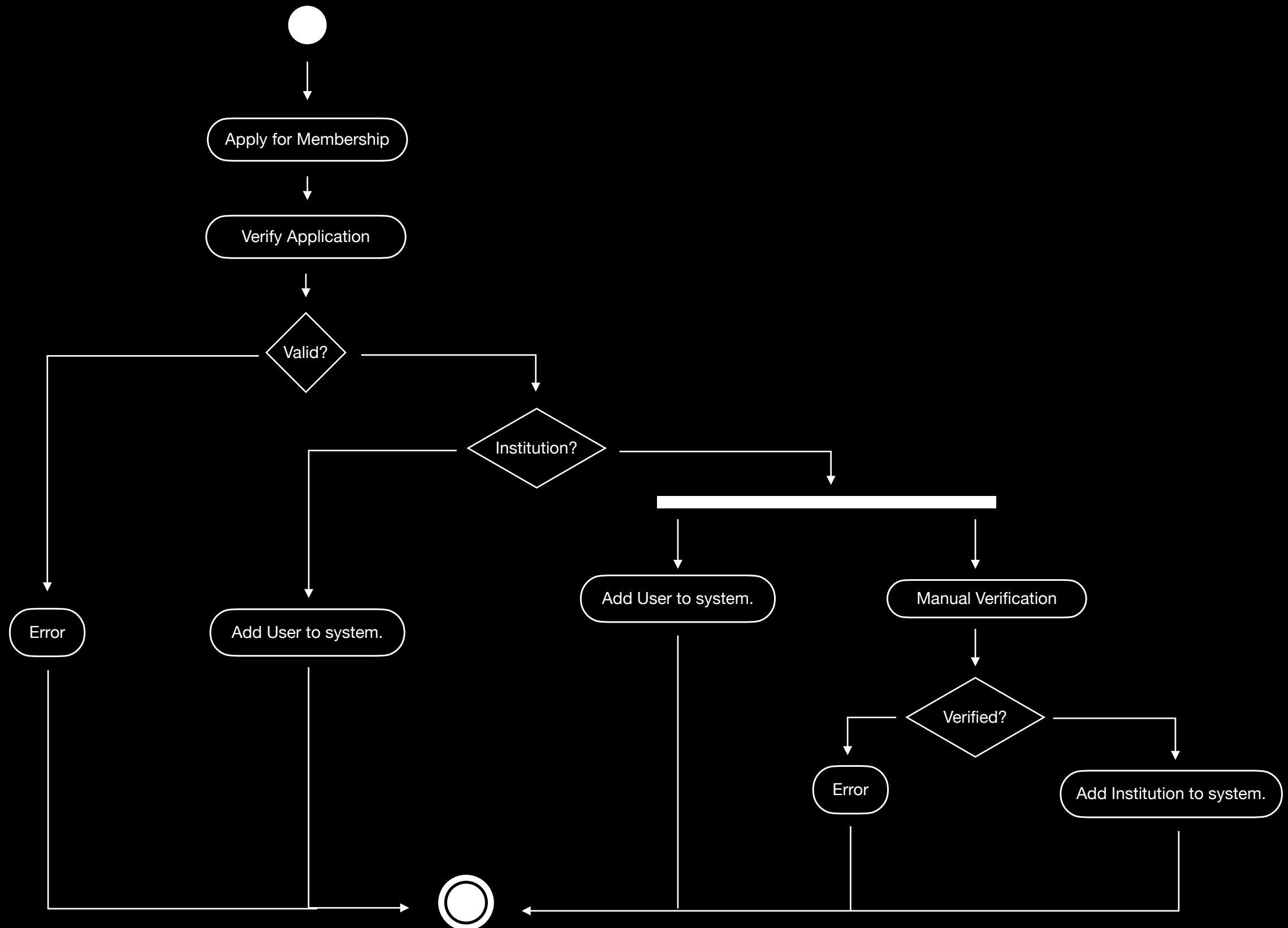


id: string,  
title: string,  
owner: string,  
description: text,  
published: boolean,  
price: integer,  
institution\_only: boolean,  
created\_at: UTCDateTime,  
updated\_at: UTCDateTime,  
deleted\_at: UTCDateTime,  
content\_blocks: refs

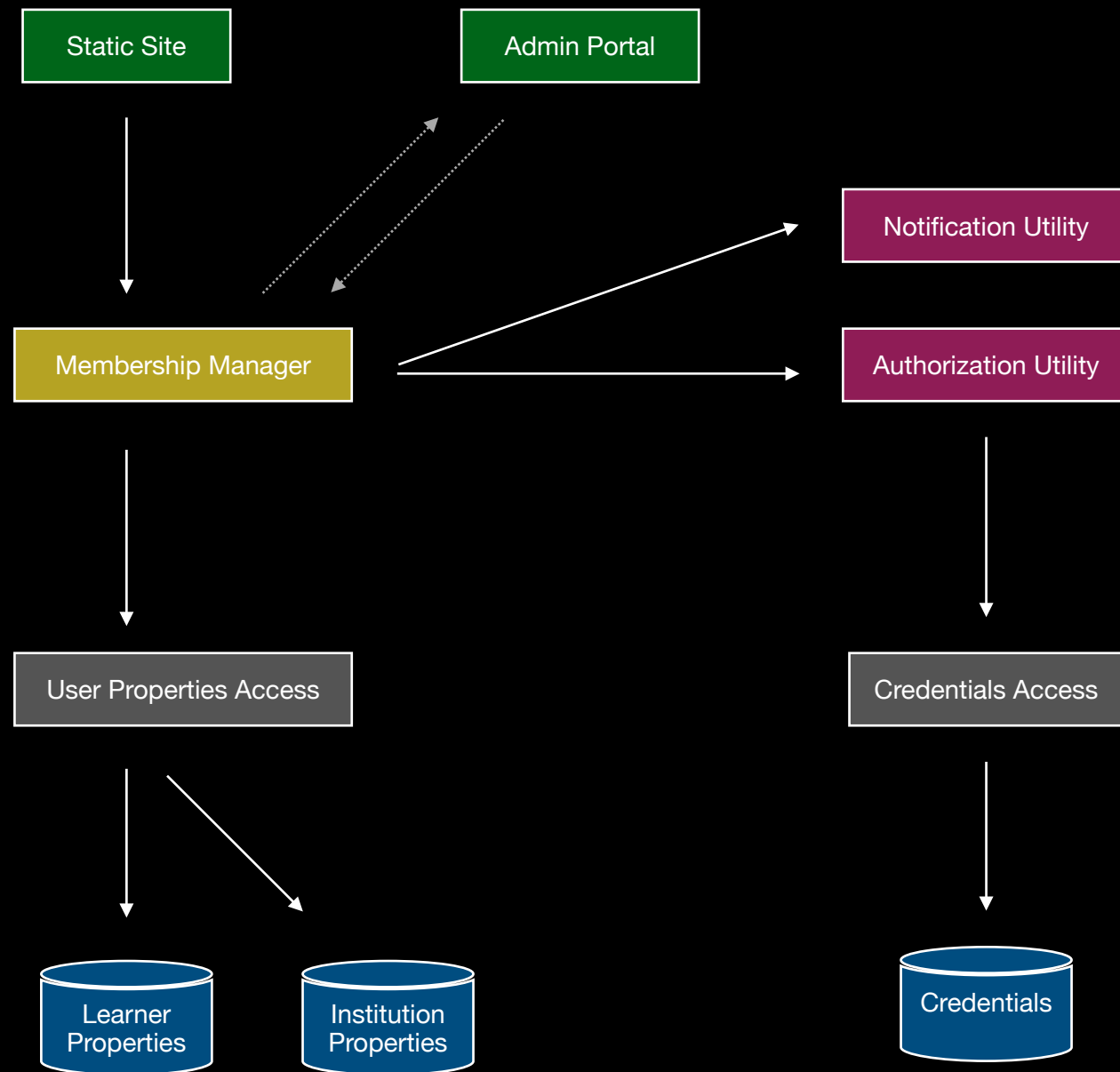


id: string,  
content\_id: string,  
testable: boolean,  
type: mcp | fib | oa | static | flashcard,  
media: hashmap,  
block: embedded schema

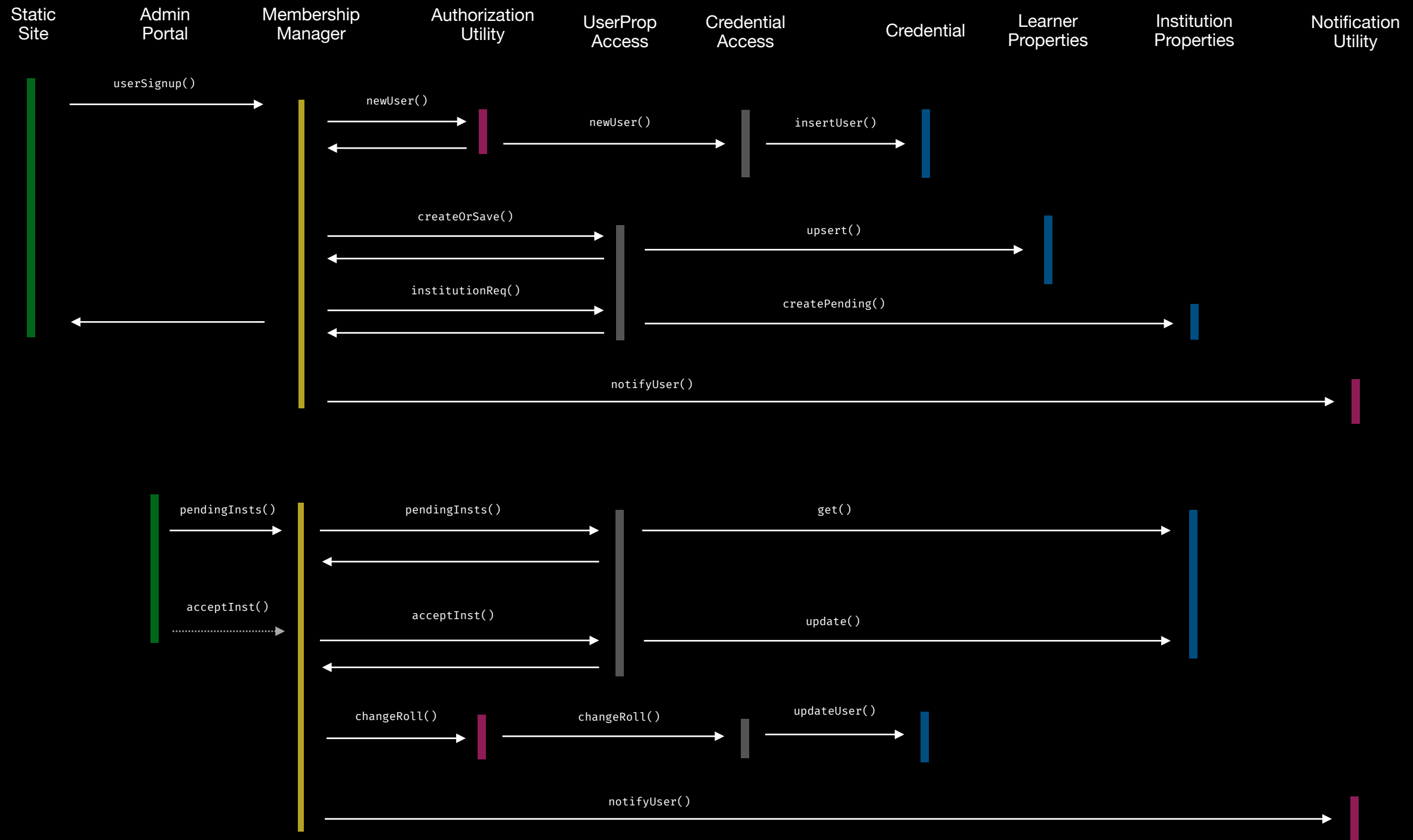
# Non-user can sign up to system.



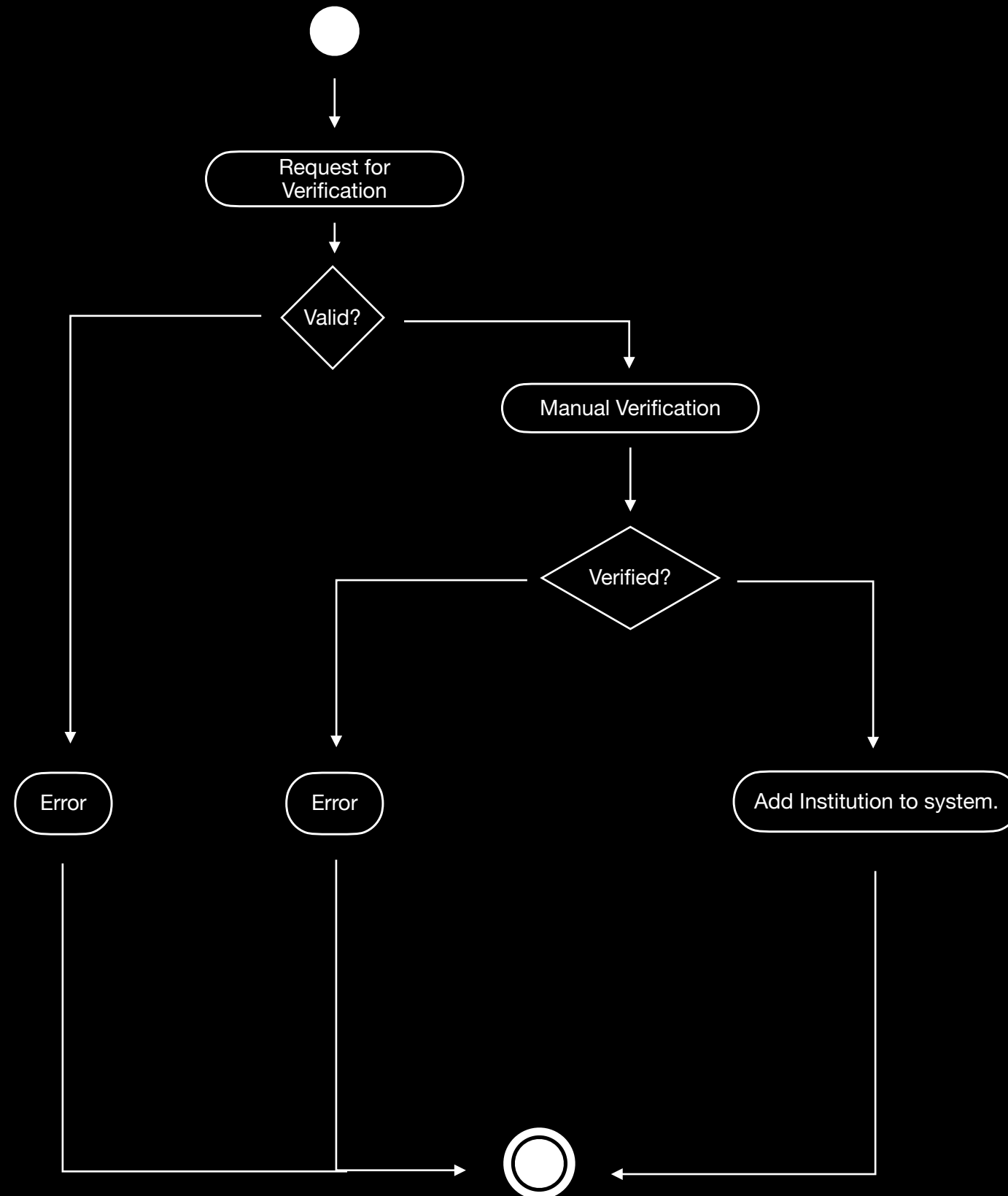
# Non-user can sign up to system.



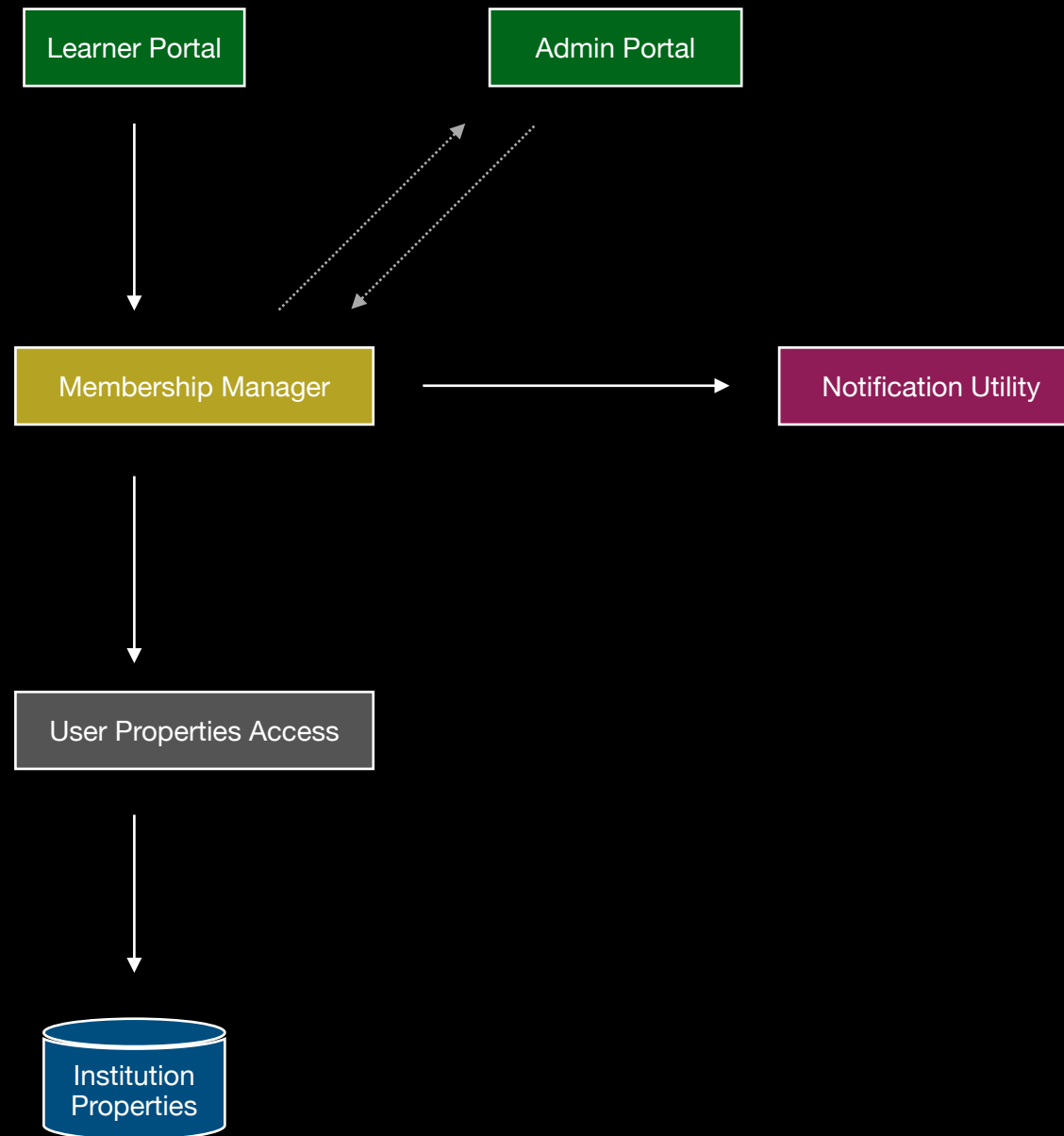
# Non-user can sign up to system.



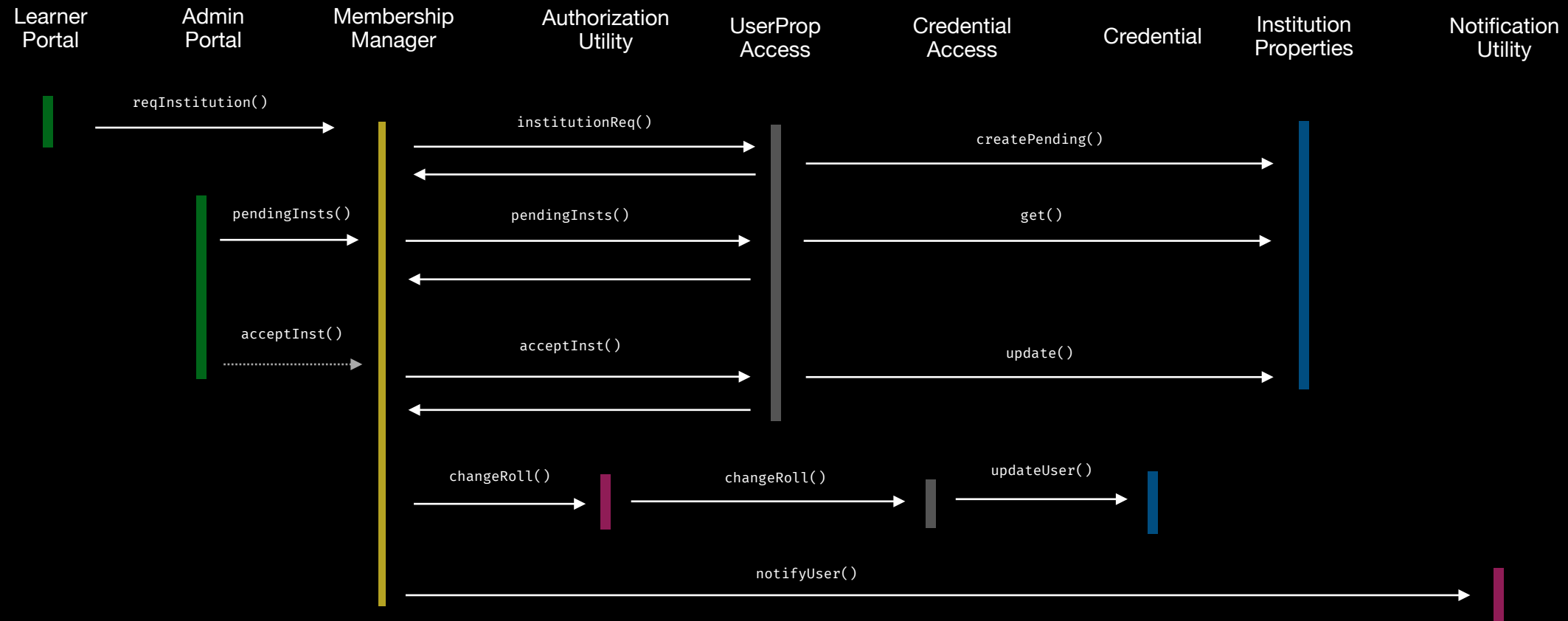
# User can request to be verified as an Institution.



# User can request to be verified as an Institution.

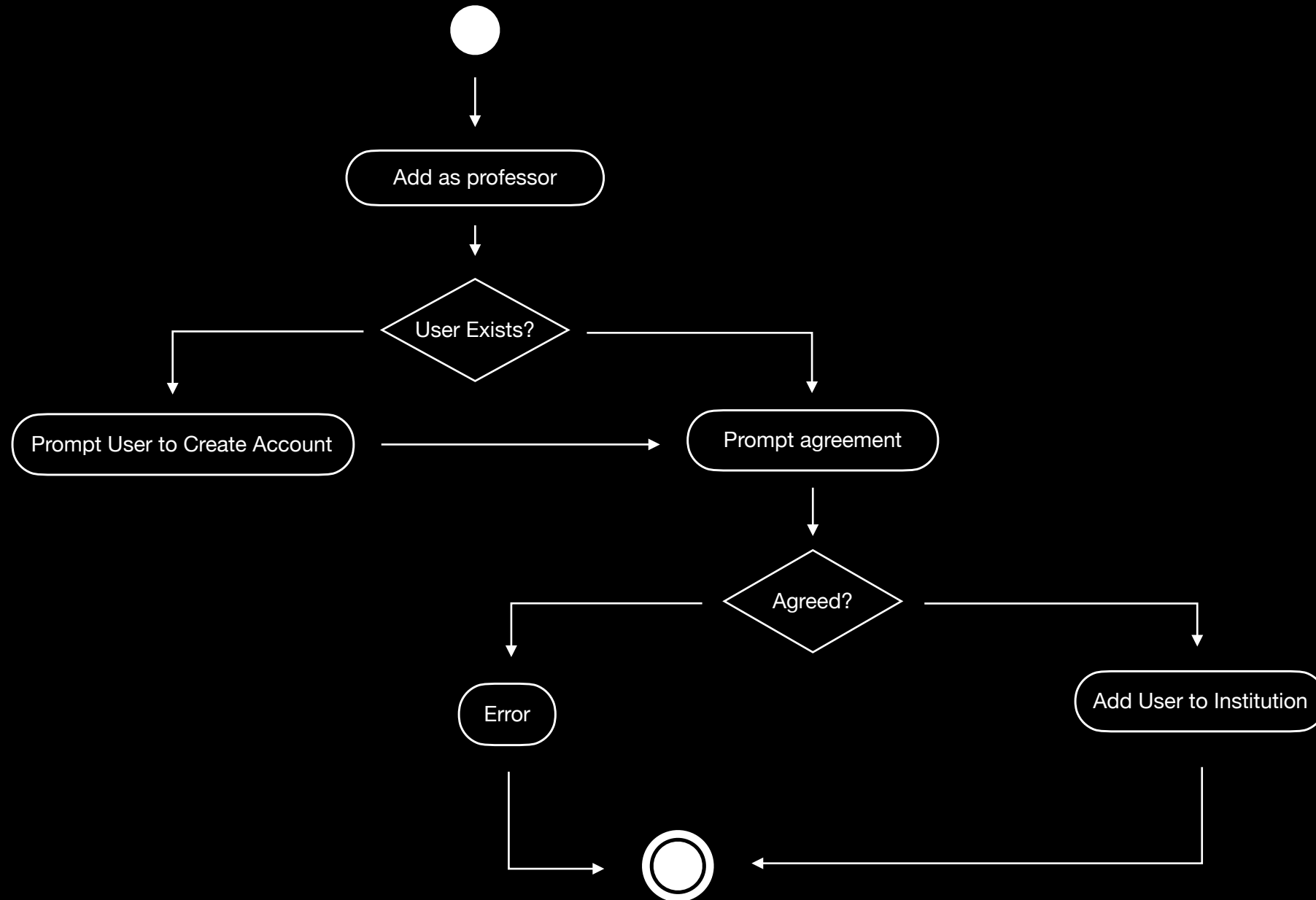


# User can request to be verified as an Institution.

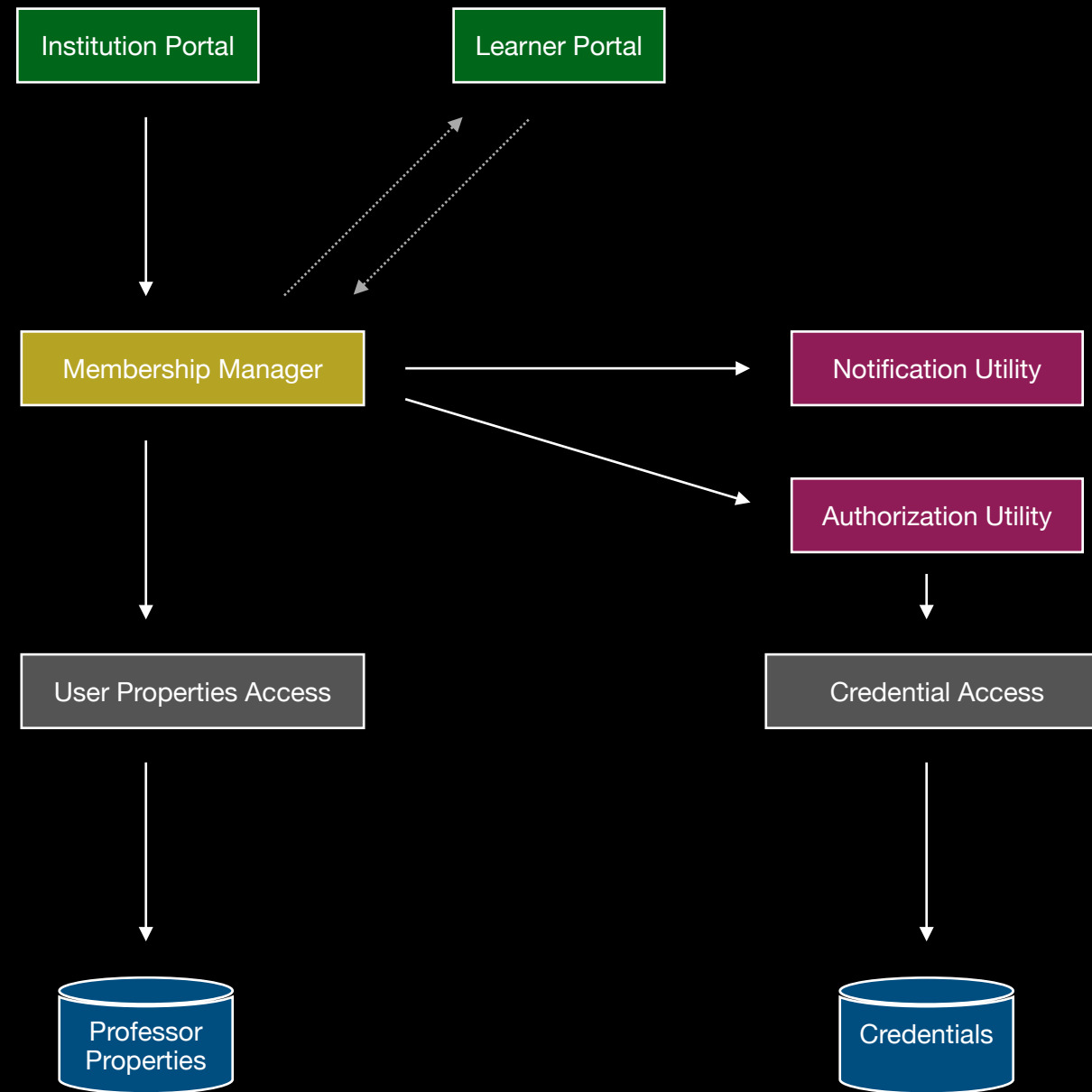




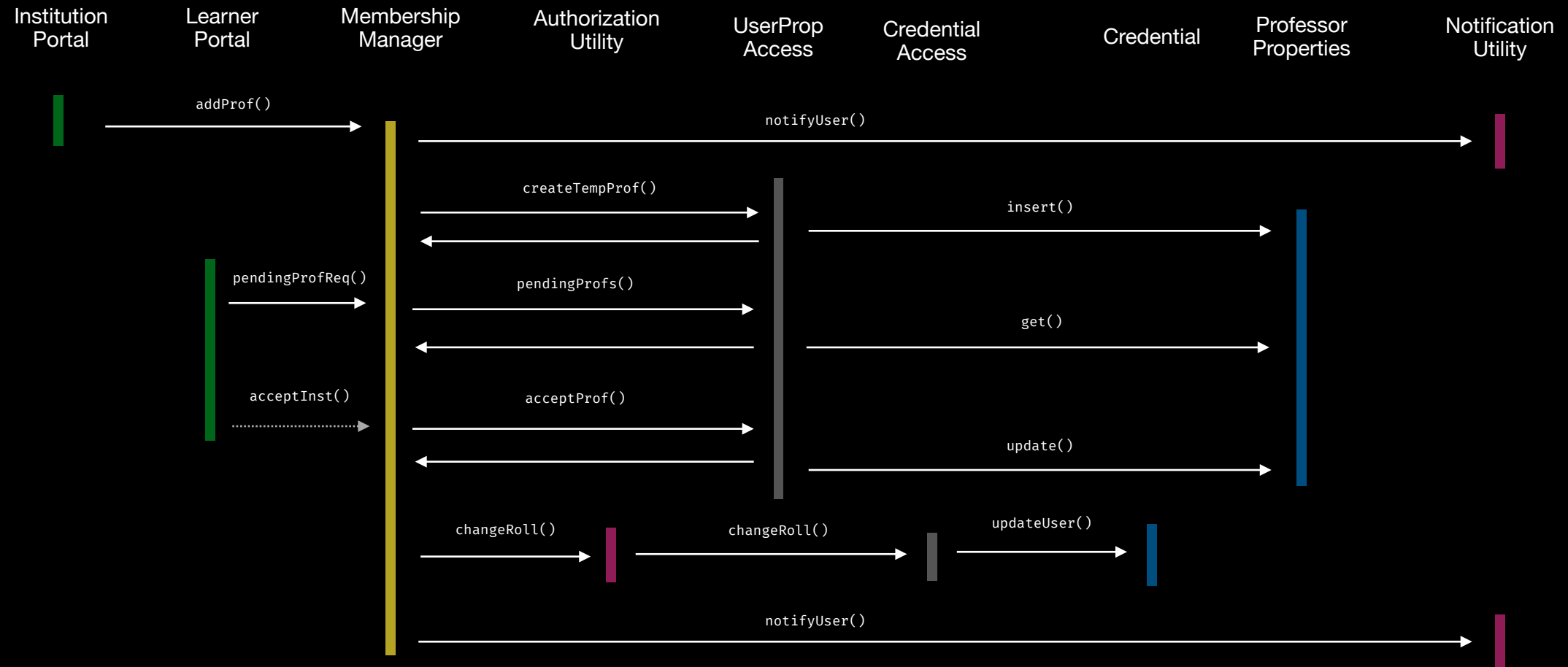
# Institution can add users as professors



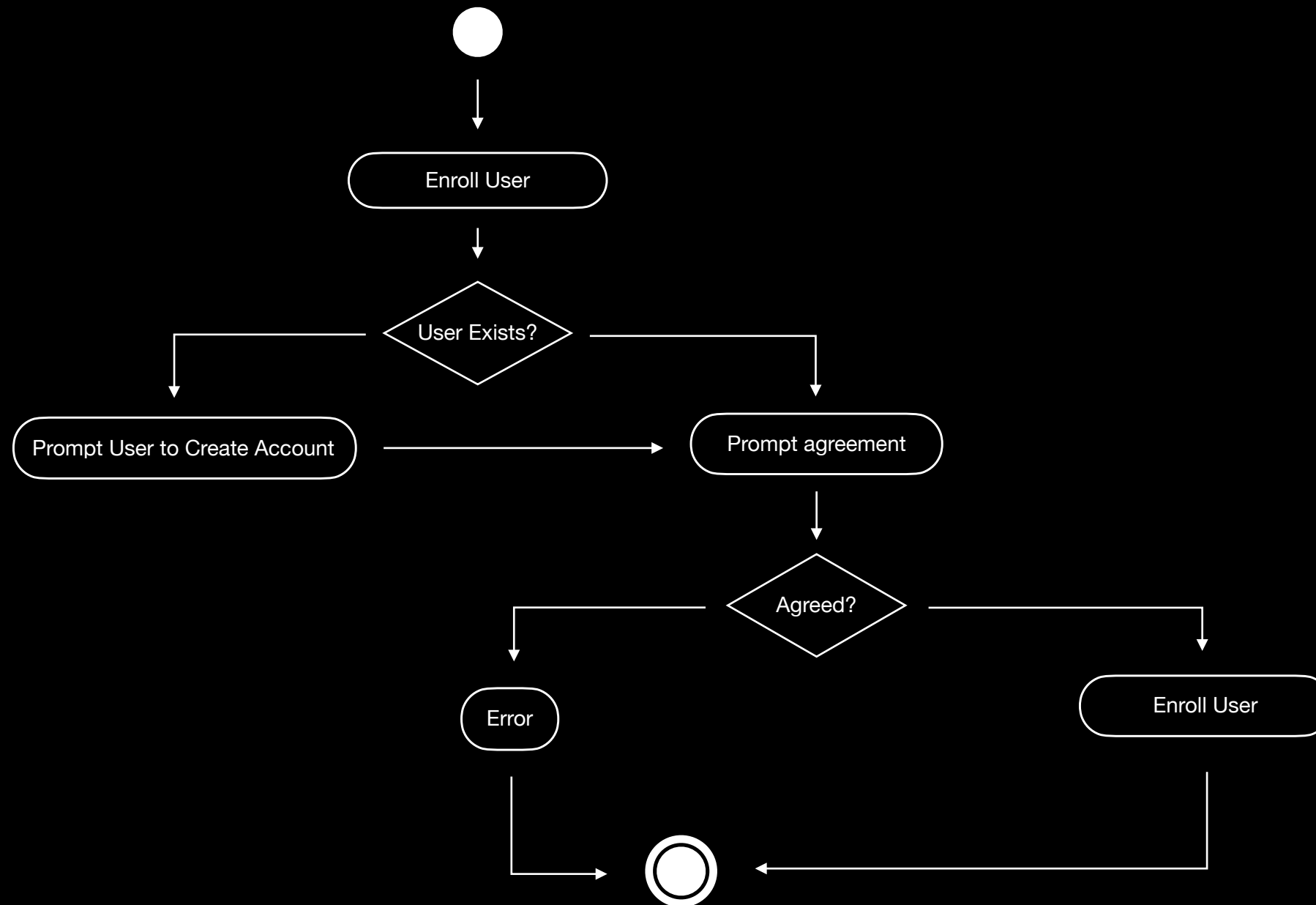
# Institution can add users as professors



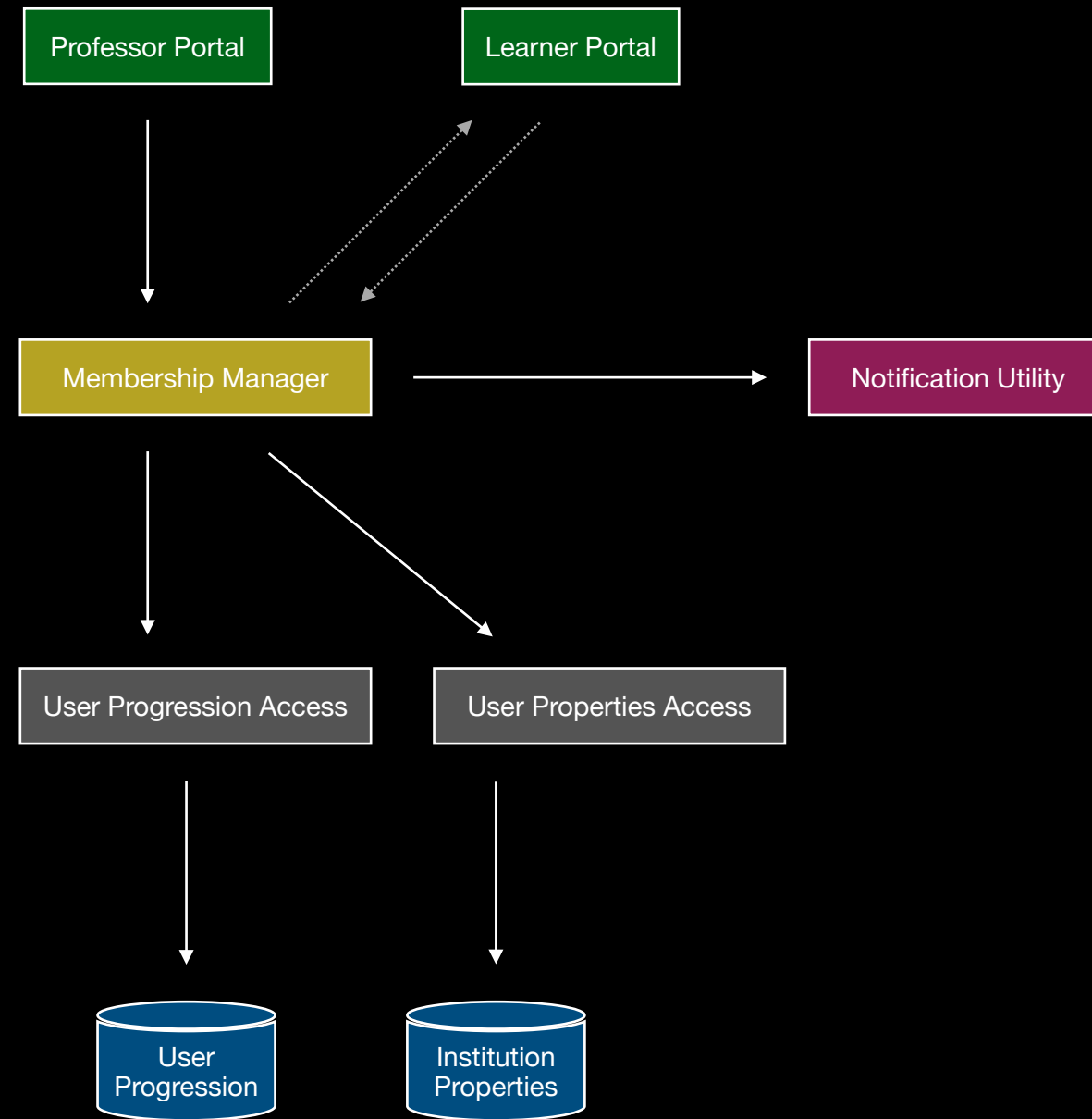
# Institution can add users as professors



# Professors can enroll non-users in courses

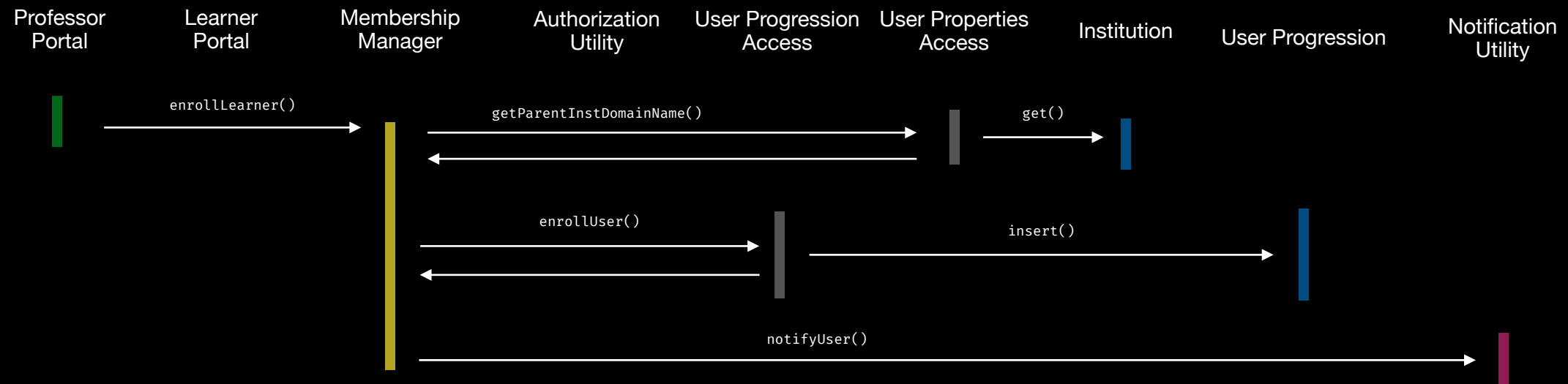


# Professors can enroll non-users in courses

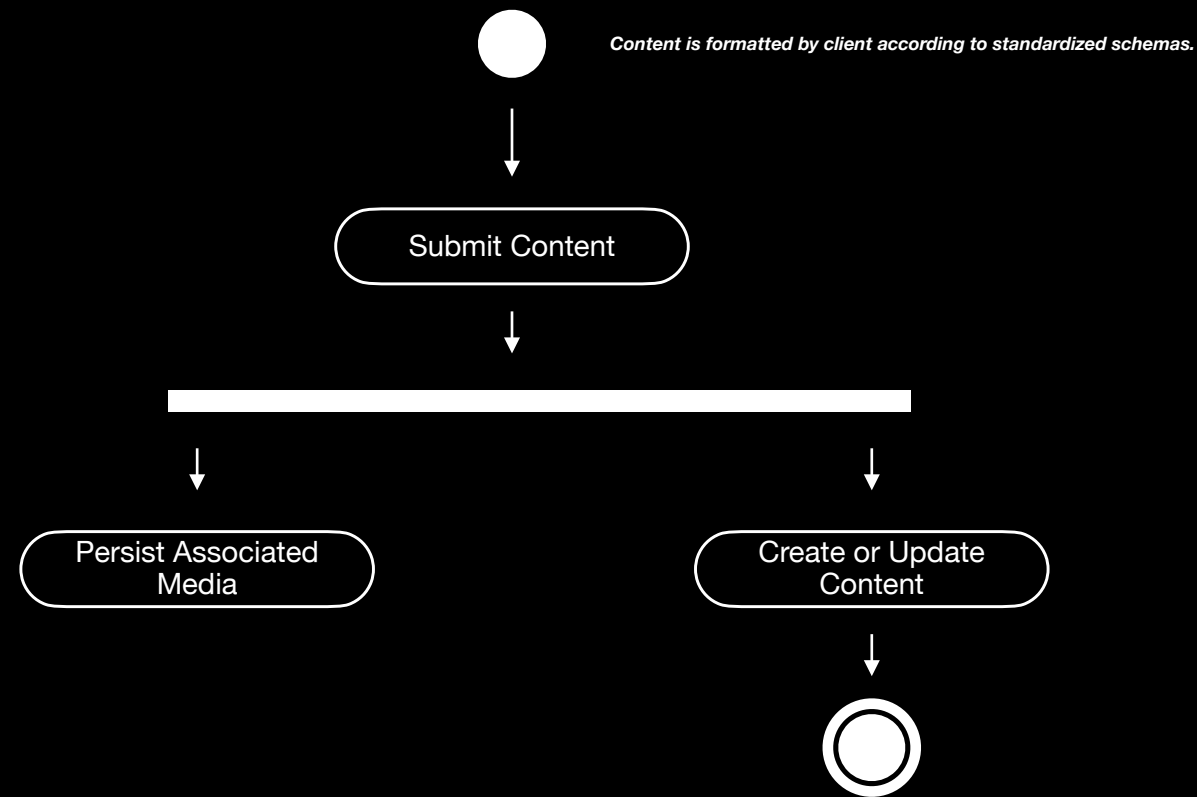


# Professors can enroll non-users in courses

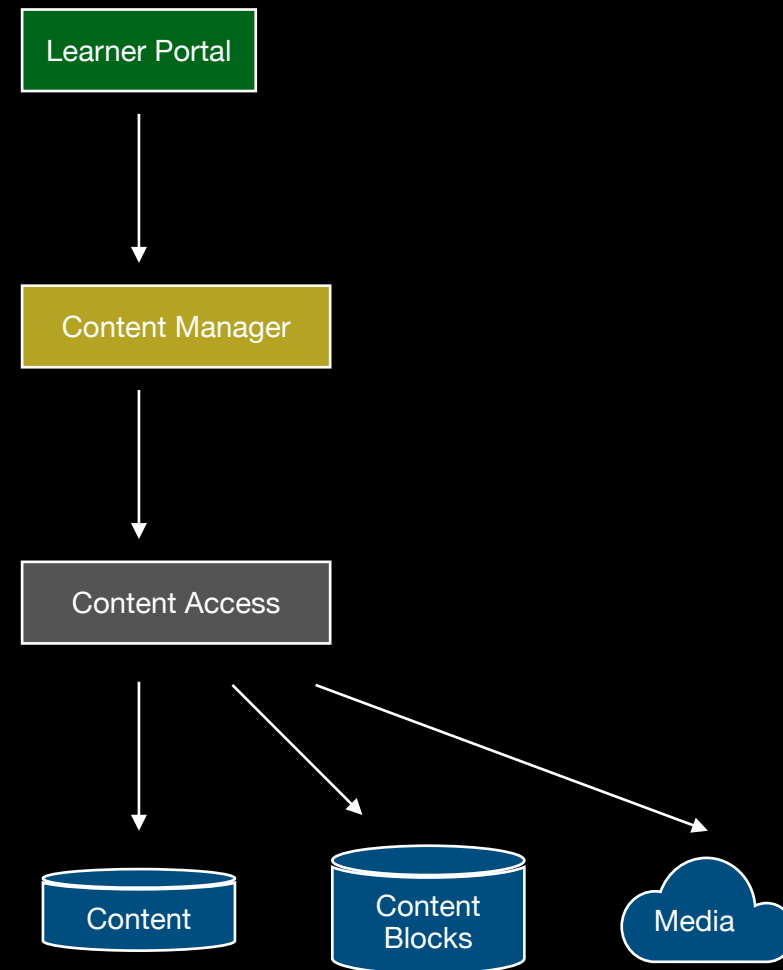
\* Only users with same domain name email as parent institution



# Users can create content with integrated Knowledge Tests

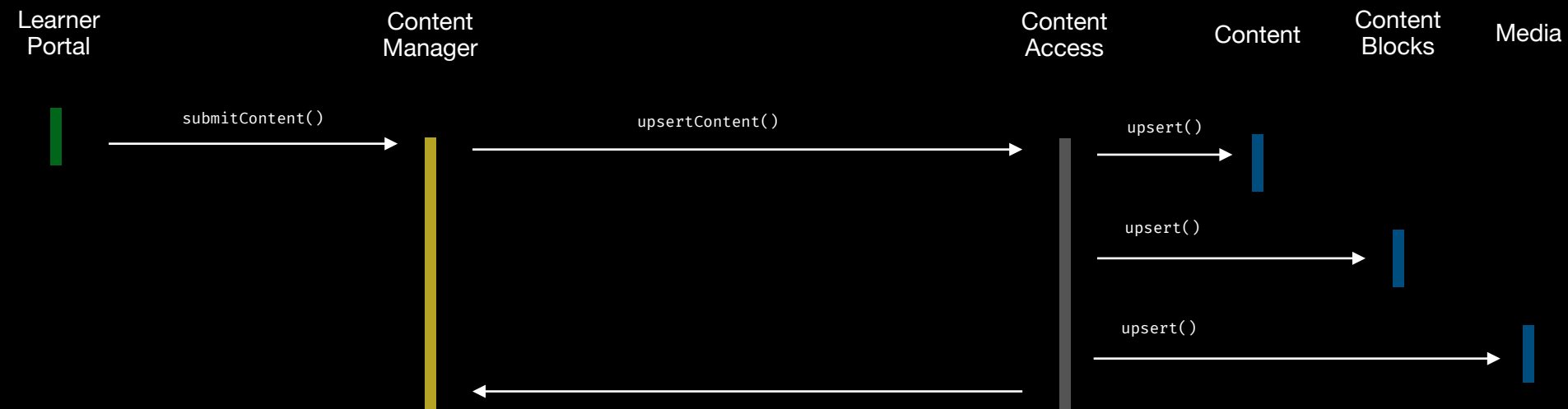


# Users can create content with integrated Knowledge Tests

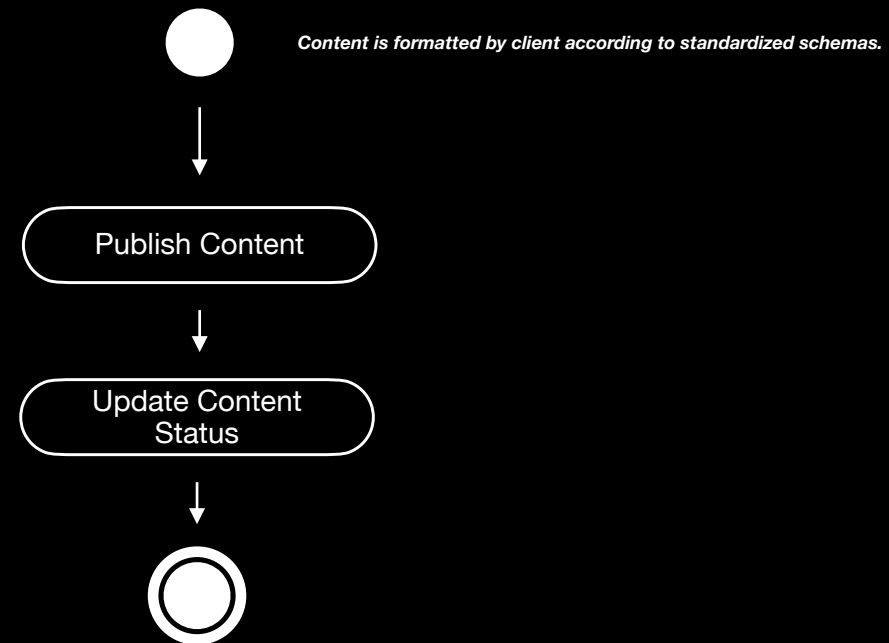




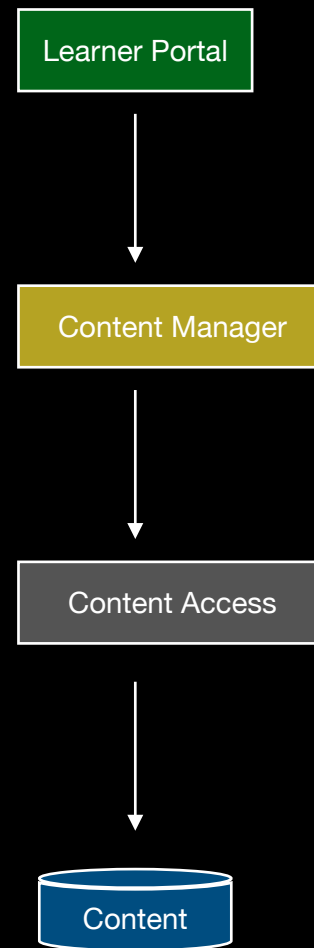
# Users can create content with integrated Knowledge Tests



# User can publish content



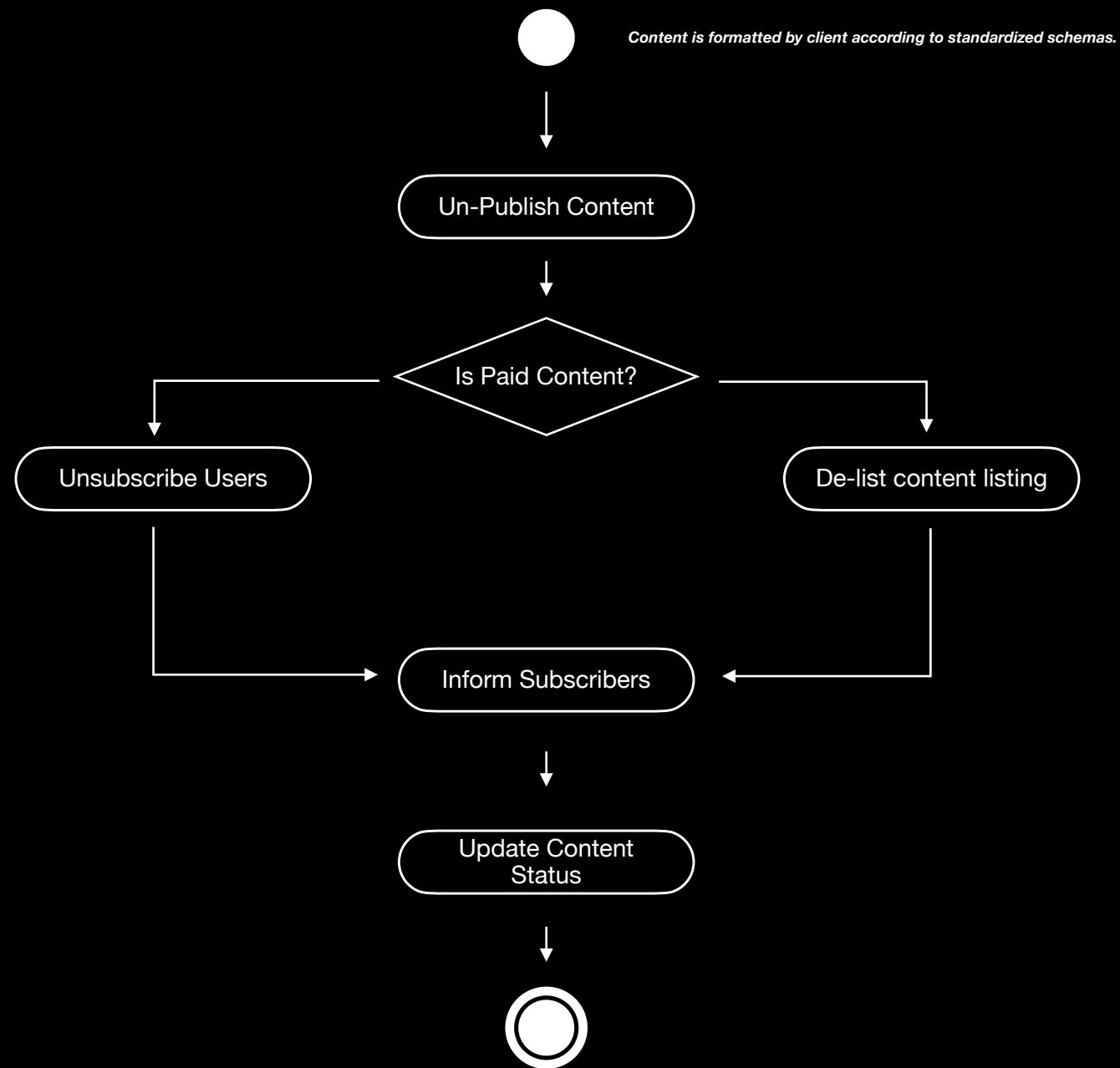
# User can publish content



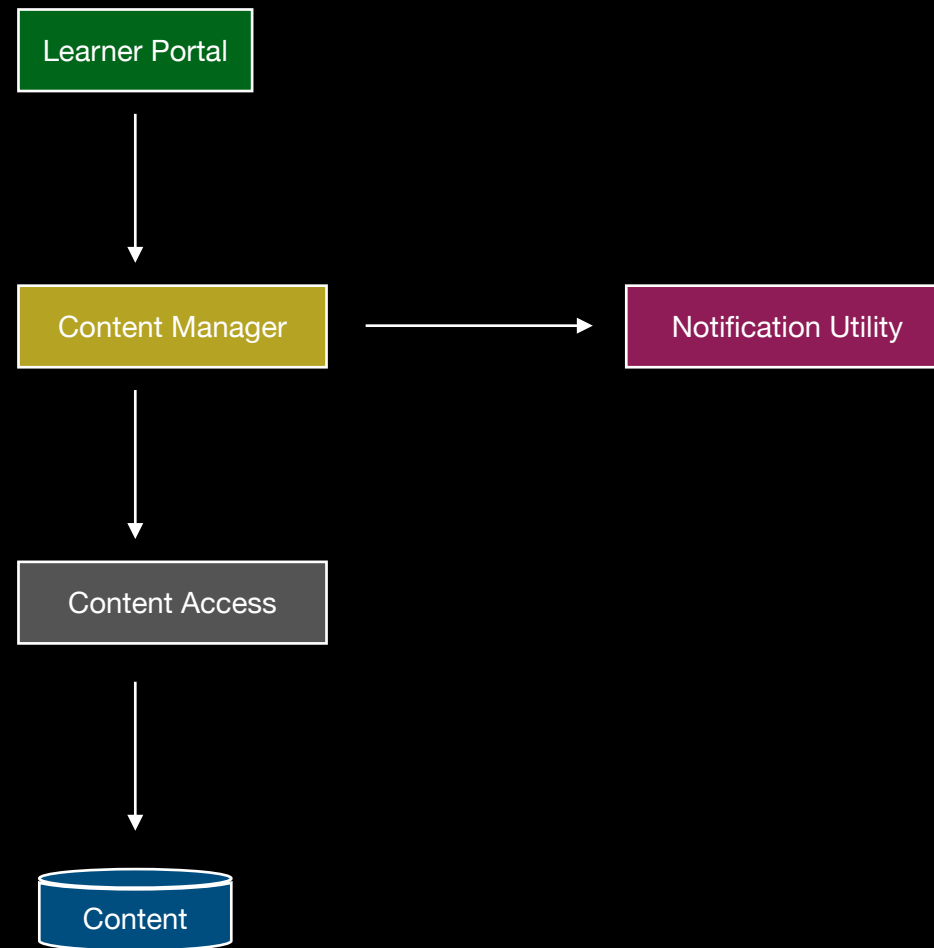
# User can publish content



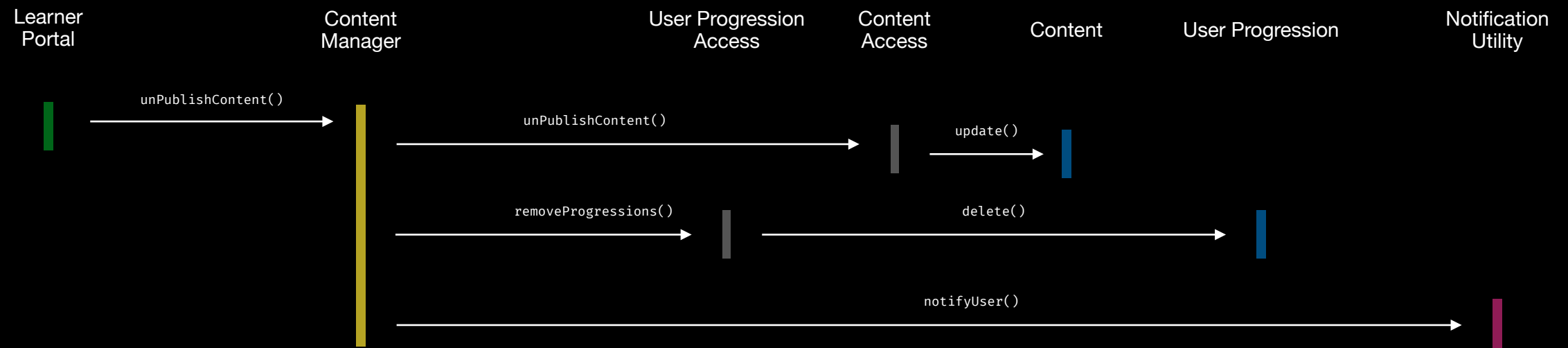
# User can un-publish content



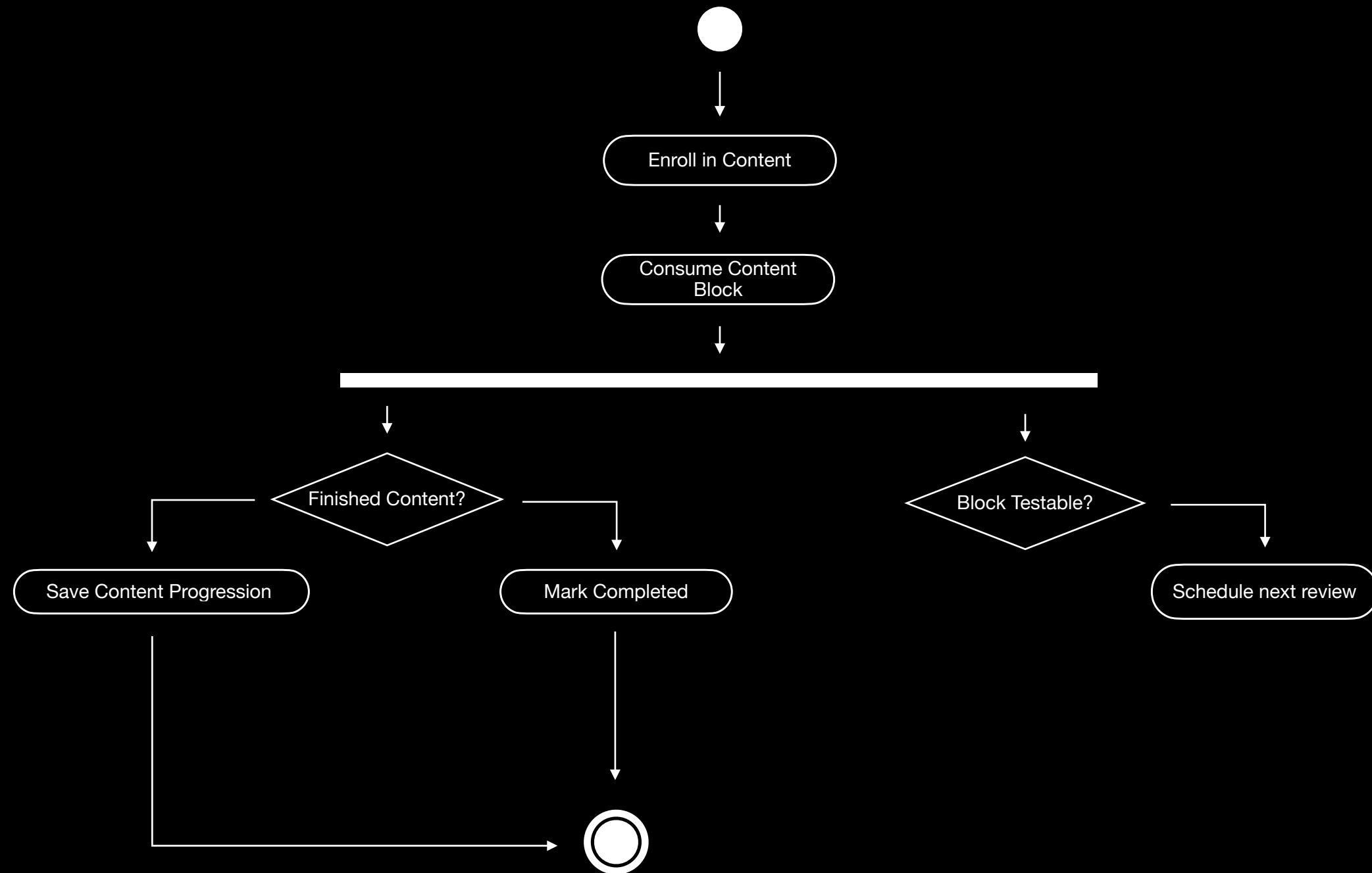
# User can un-publish content



# User can un-publish content

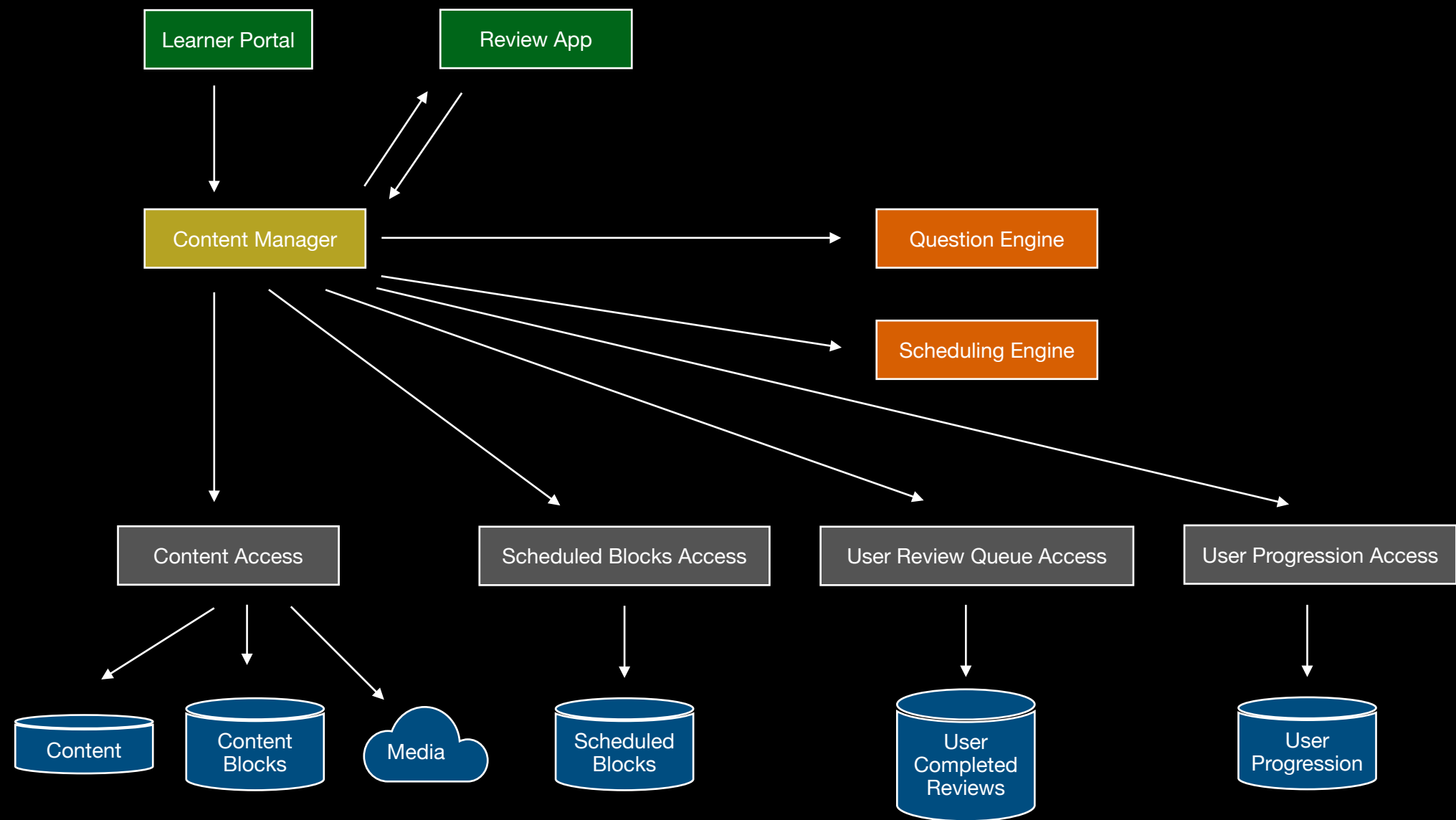


User can consume content progressively, whether their own or other's.

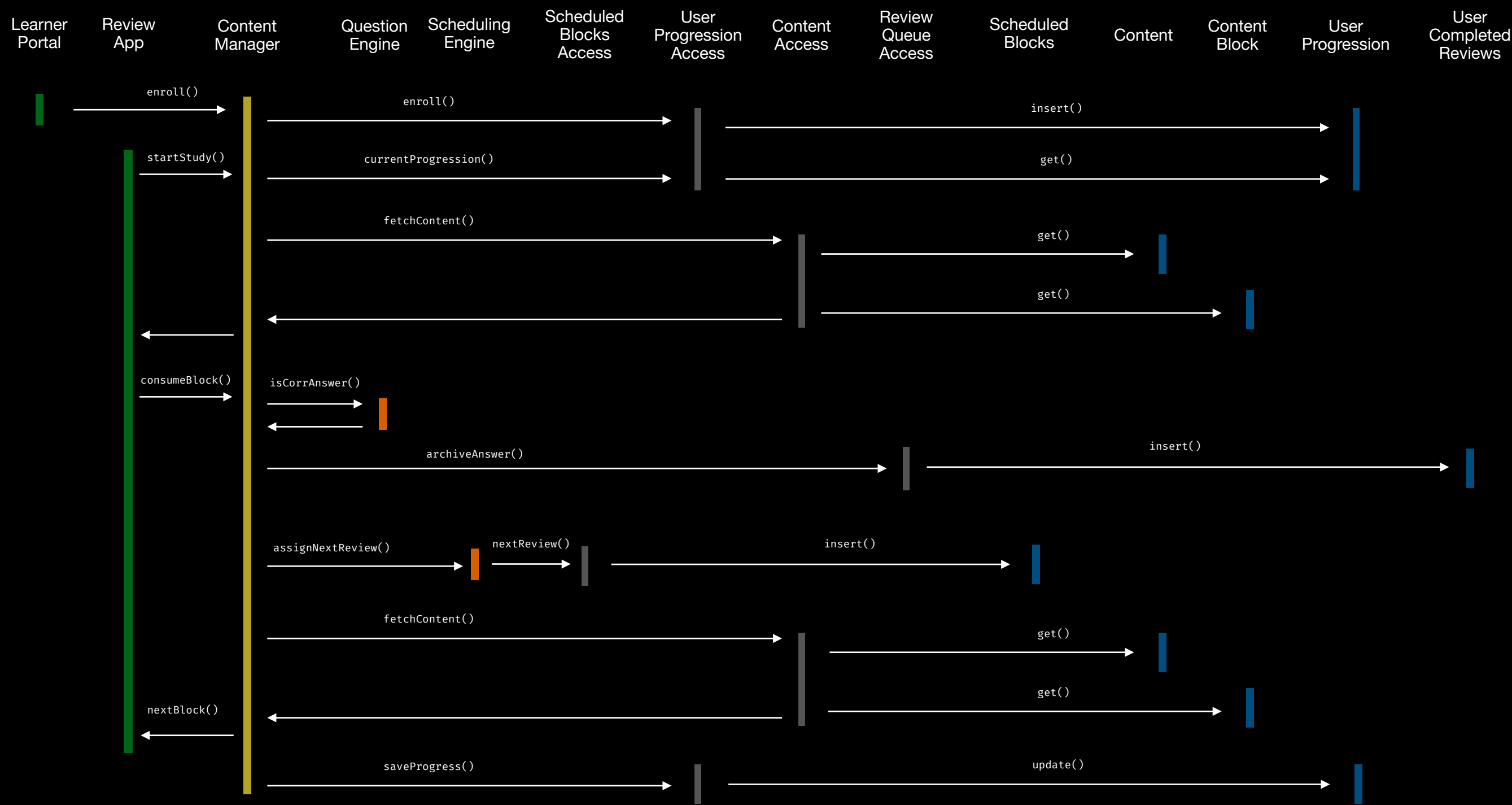




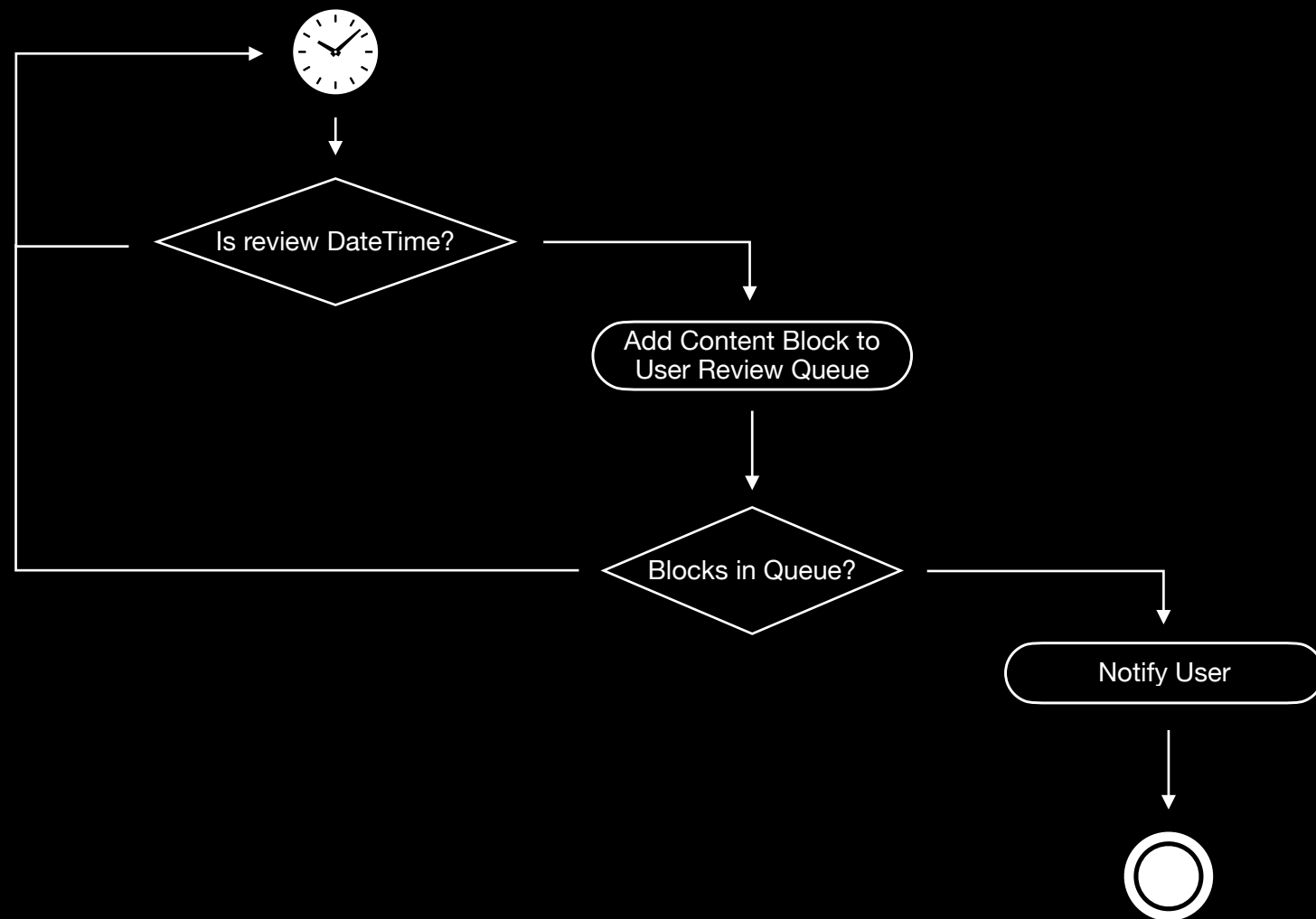
**User can consume content progressively, whether their own or other's.**



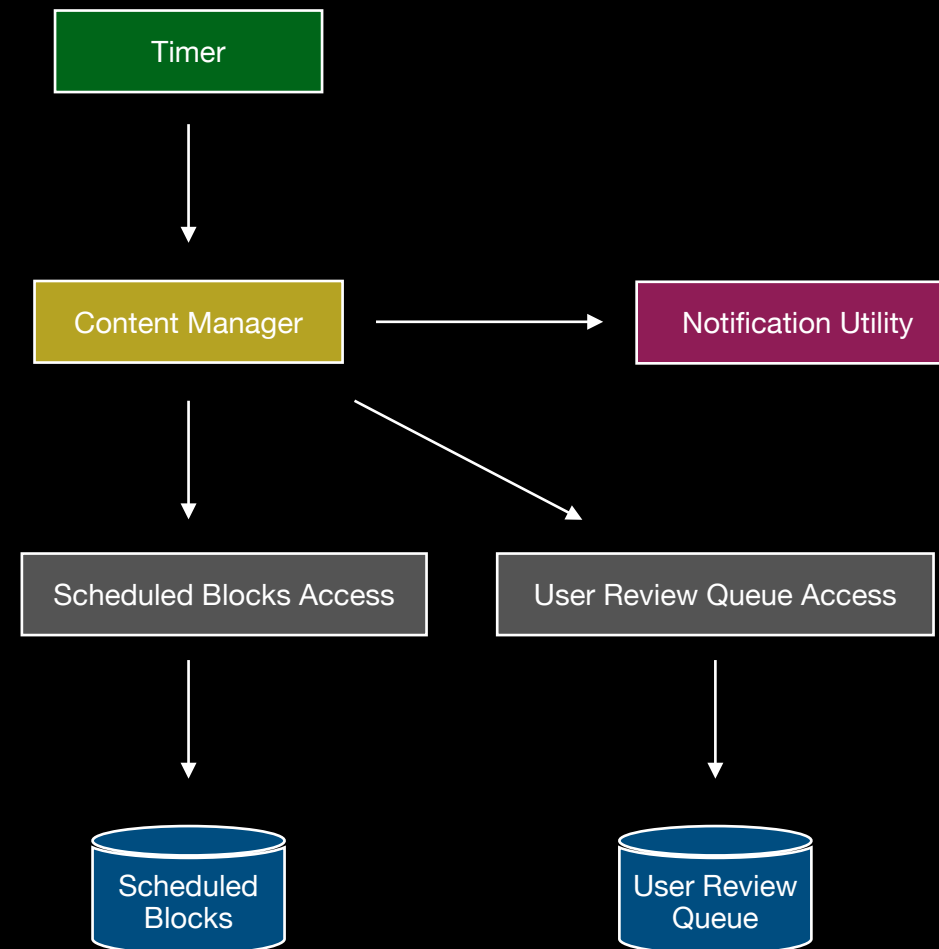
# User can consume content progressively, whether their own or other's.



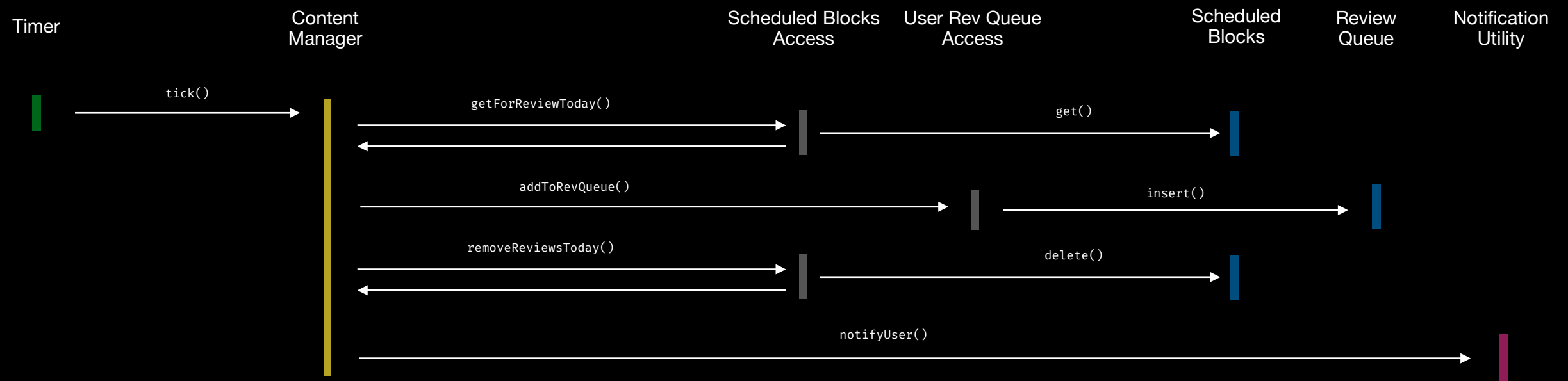
# User is notified once content is ready for review



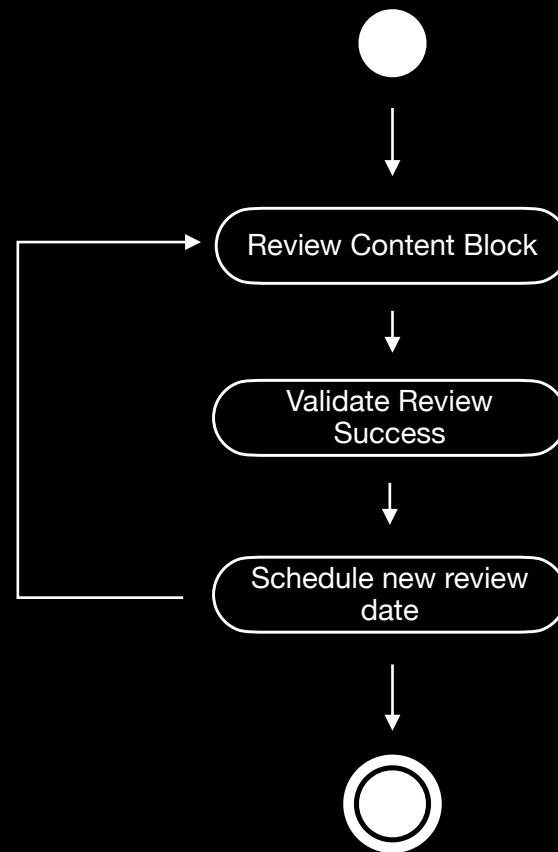
# User is notified once content is ready for review



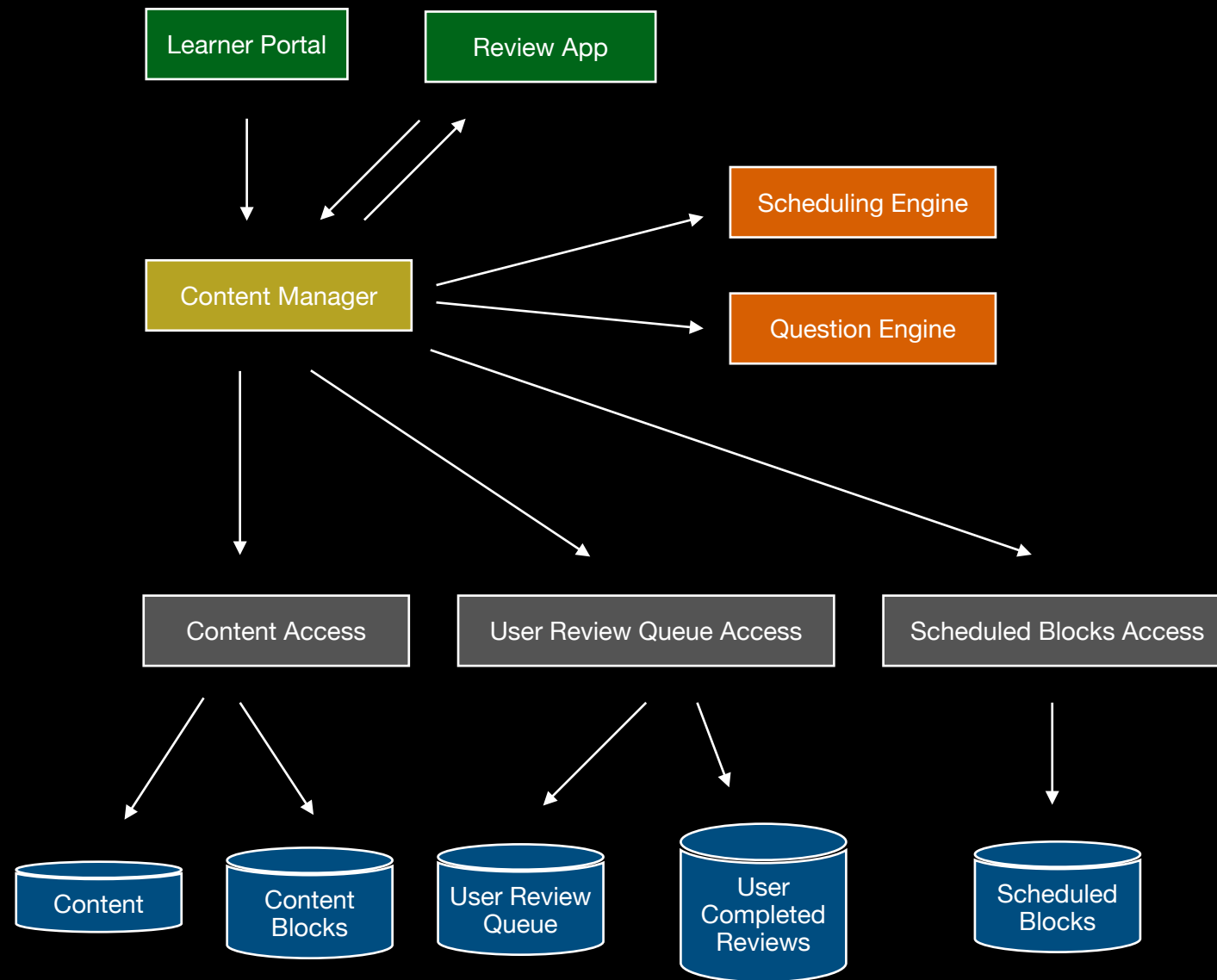
# User is notified once content is ready for review



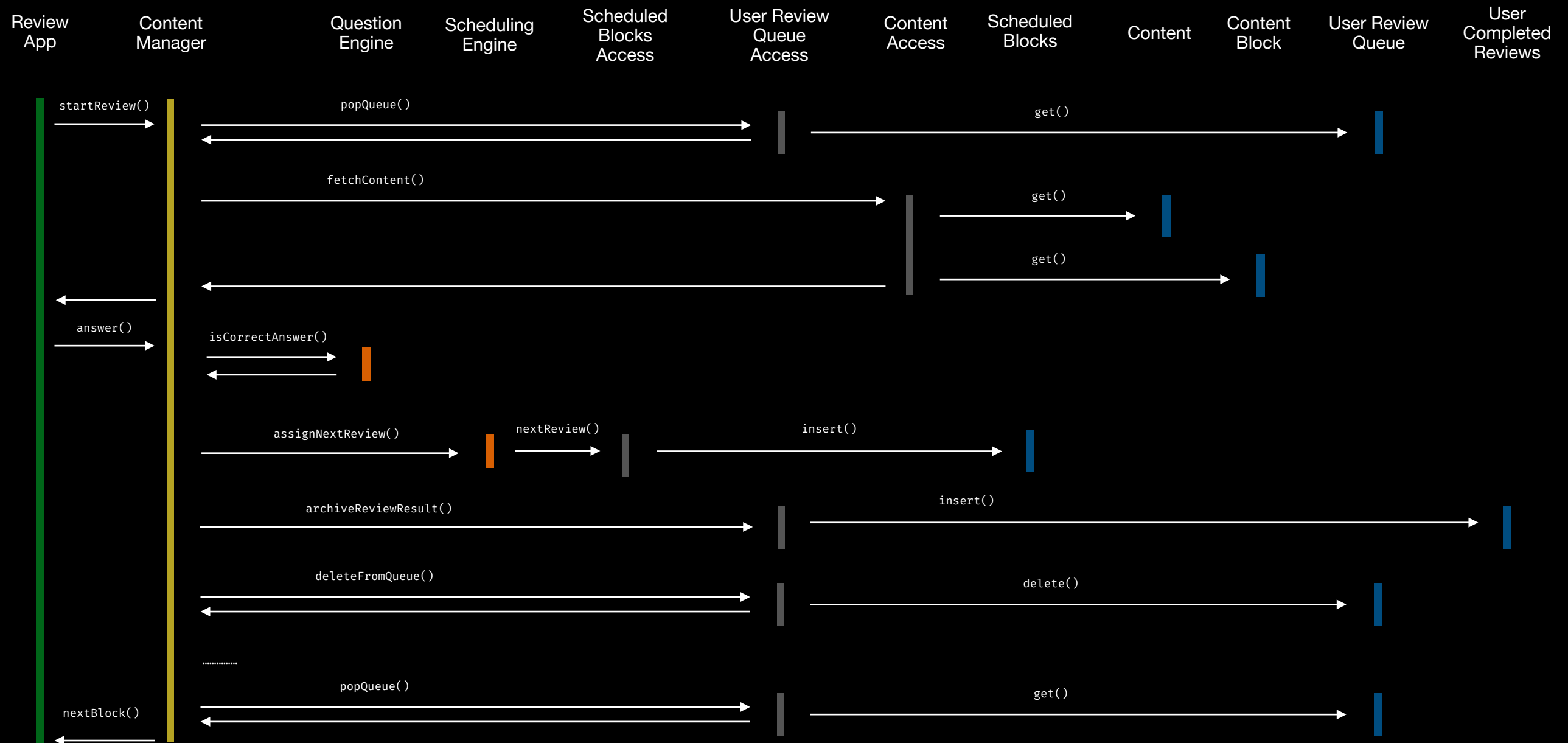
# User can review content



# User can review content

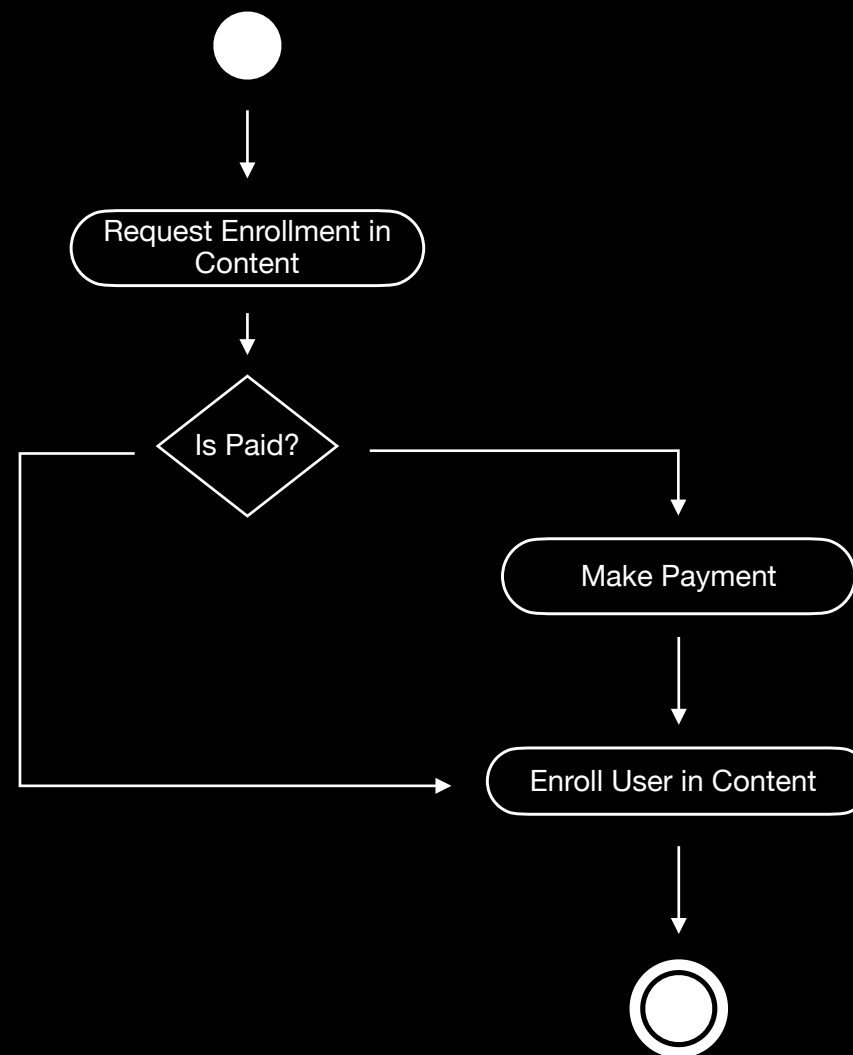


# User can review content

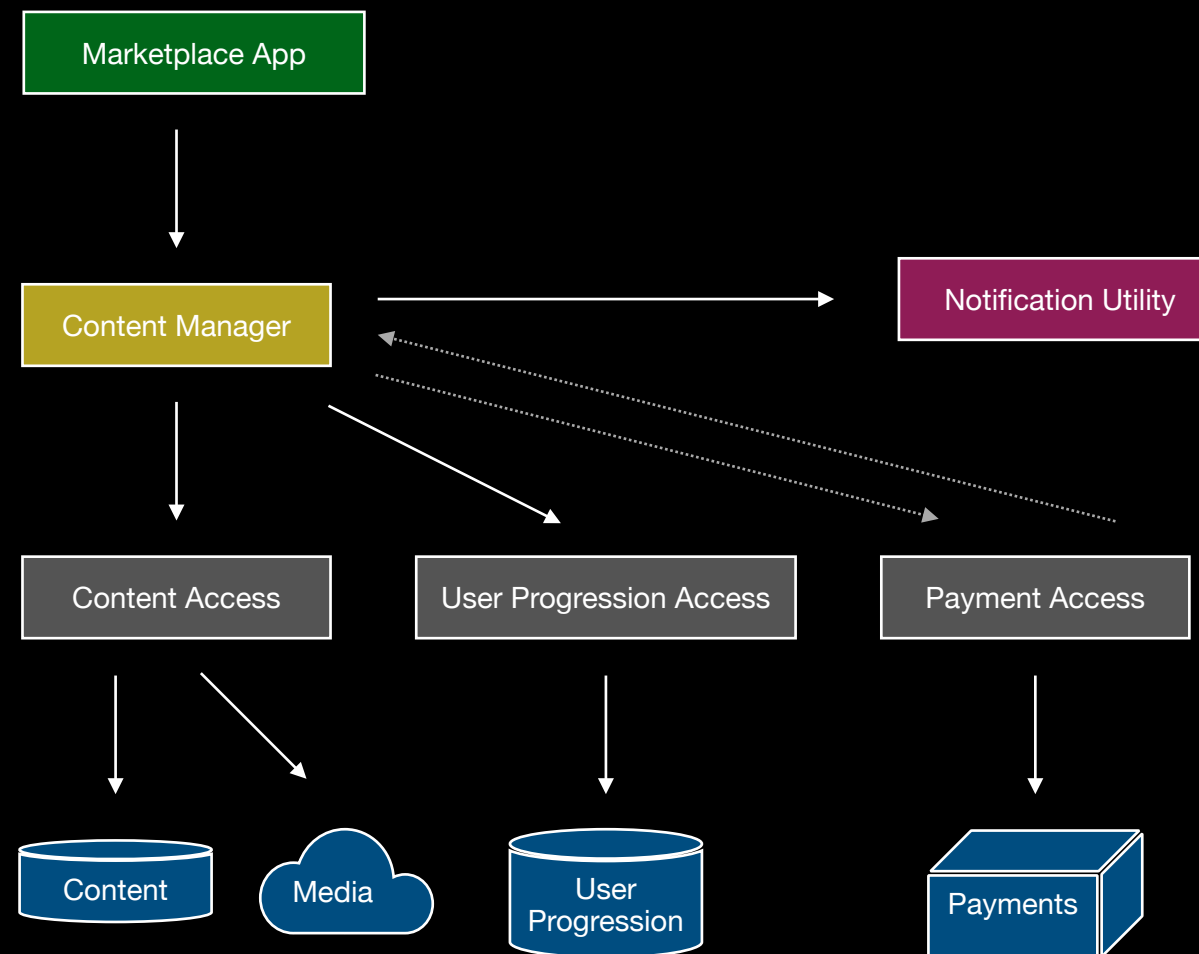




## User can purchase and/or enroll in content created by other users



# User can purchase and/or enroll in content created by other users



# User can purchase and/or enroll in content created by other users

