**Batch**
o batch_id [PK]

batch_name
start_time
end_time

**Course**
o course_id [PK]

course_name
schedule_id [FK]

**BatchTrainees**
o email [FK]
o batch_id [FK]

Many:Many relationship    Many:Many relationship    1:1 relationship    1:1 relationship

**Schedule**
o schedule_id [PK]

schedule_name
course_id [FK]
batch_id [FK]
trainer_email [FK]
start_time
end_time

**Classroom**
o classroom_id [PK]

classroom_name
batch_id [FK]
course_id[FK]
trainer_email [FK]

1:Many relationship    1:Many relationship    1:Many relationship

**Assignment**
o assignment_id [PK]

assignment_name
assignment_file
schedule_id [FK]

**ClassroomNotice**
o notice_id [PK]

notice
classroom_id [FK]

**ClassroomAttachment**
o attachment_id [PK]

resource_file
classroom_id [FK]

1:Many relationship    1:Many relationship    1:1 relationship

**AssignmentAnswer**
o assignment_answer_id [PK]

answer_file
trainee_email [FK]
assignment_id [FK]

**ClassroomComment**
o comment_id [PK]

comment
attachment_id [FK]

1:Many relationship

**User**
o id [PK]

email
address
first_name
last_name
gender
password
phone
profile_picture
role_id [FK]

**ClassroomReply**
o reply_id [PK]

reply
comment_id [FK]
trainee_email [FK]

1:Many relationship    1:1 relationship    1:Many relationship    1:Many relationship    1:1 relationship

**Trainer**
o trainer_email [PK]

designation
joining_date
experience
expertise

**Role**
o role_id [PK]

role_name

**Admin**
o admin_email [PK]

full_name
experience

**Trainee**
o trainee_email [PK]

full_name
blood_group
cgpa
experience
institute
passing_year
nid_no

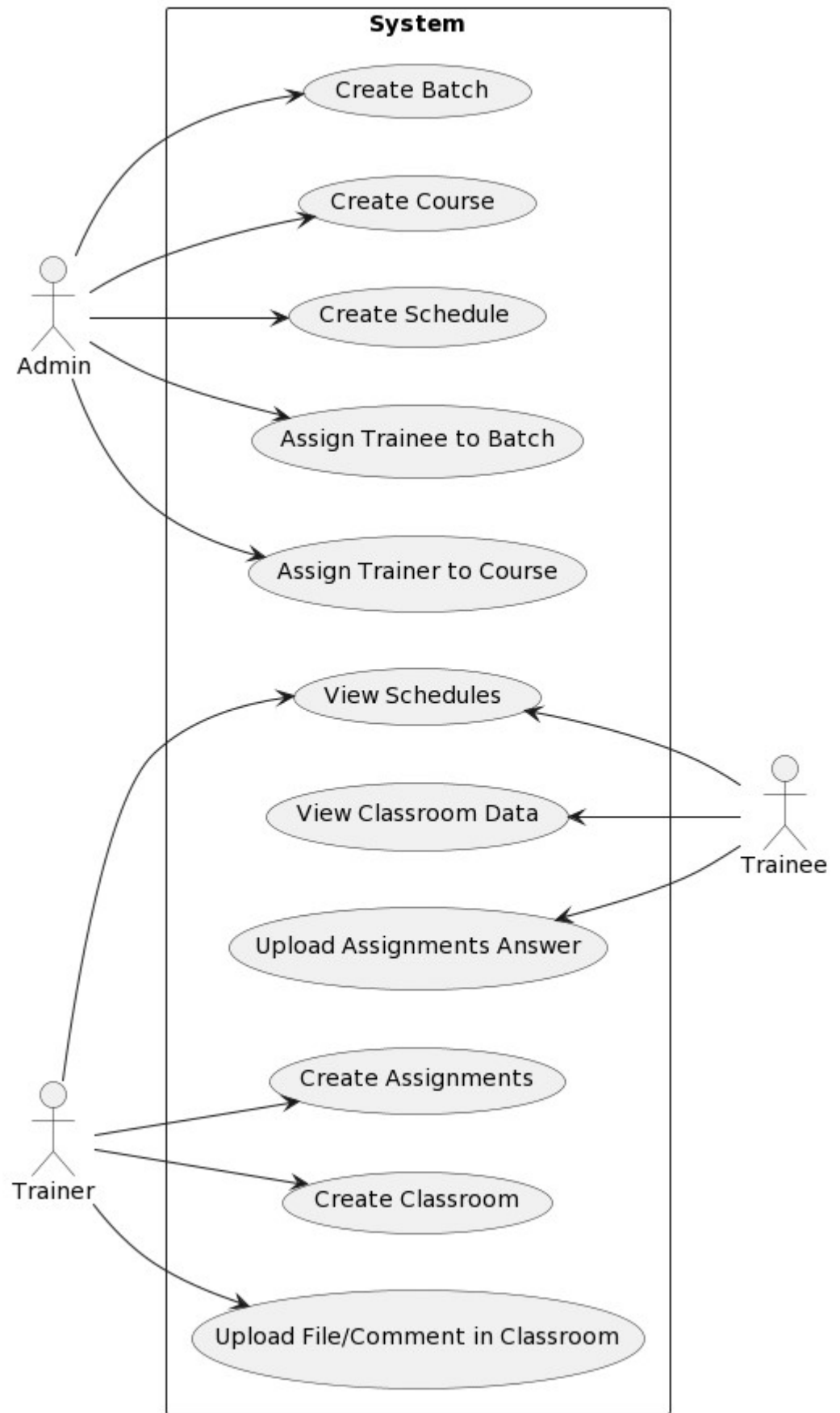Diagram 1: Entity Relationship diagram of the whole system.

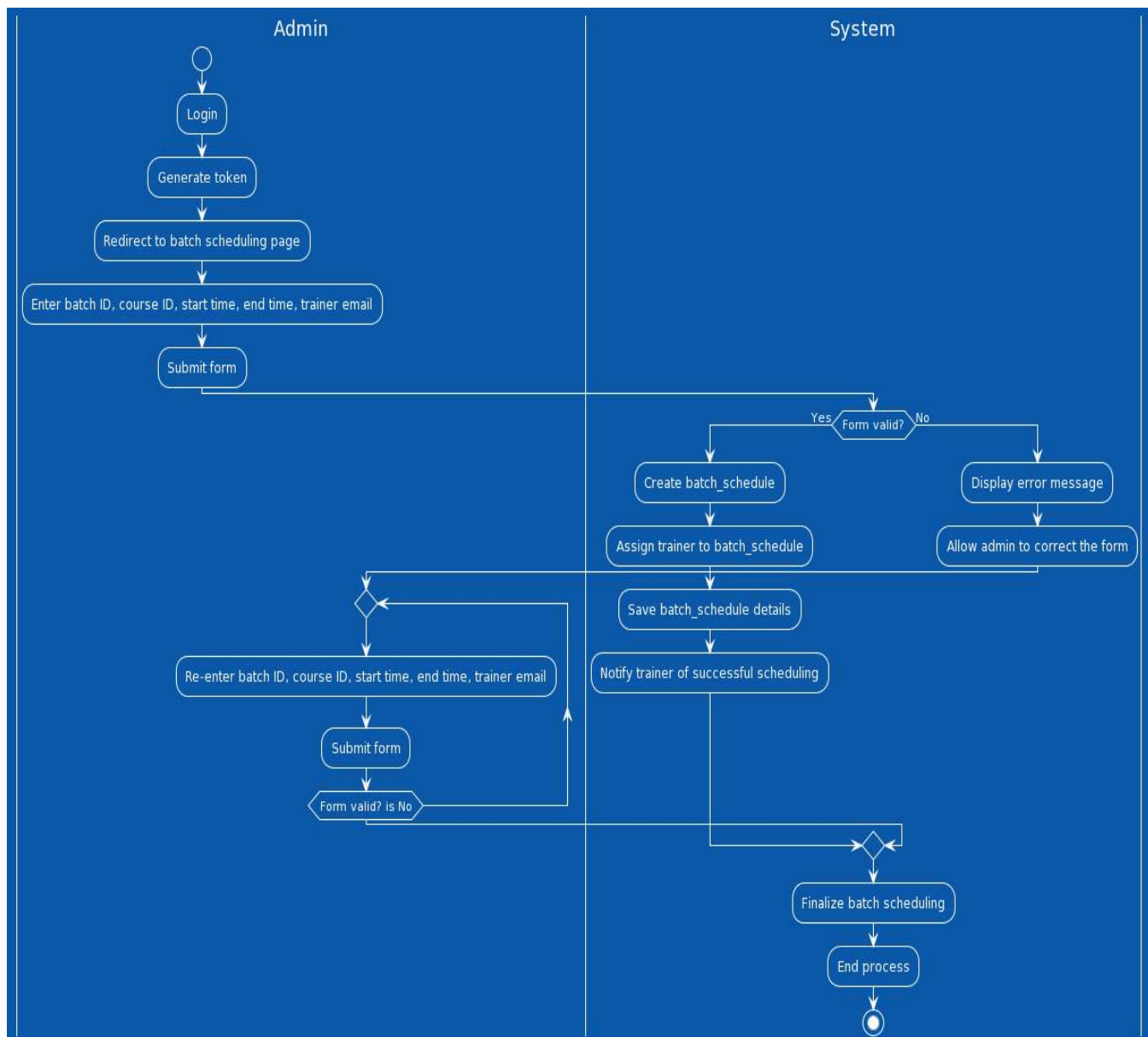Diagram 2: Use case of Admin, Trainee, Trainer interacting with the system

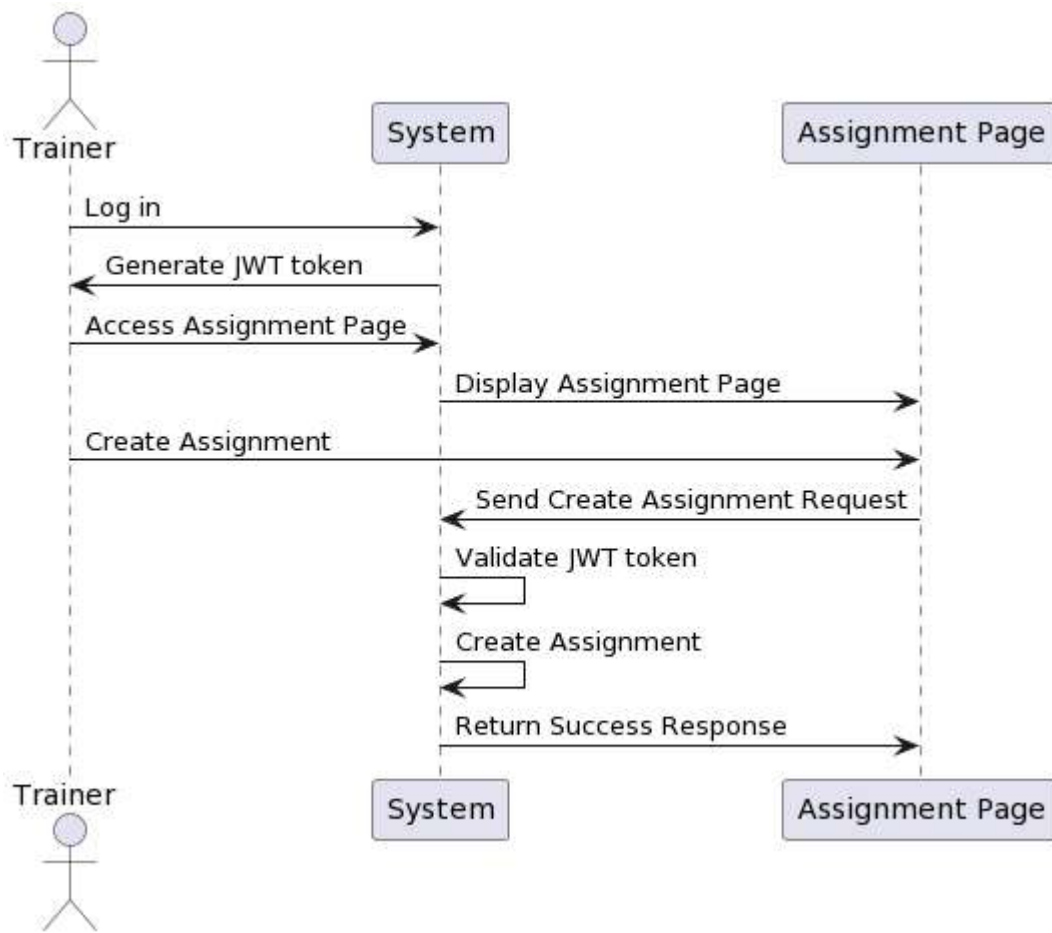Diagram 3: Activity diagram of Admin creating schedule for a batch

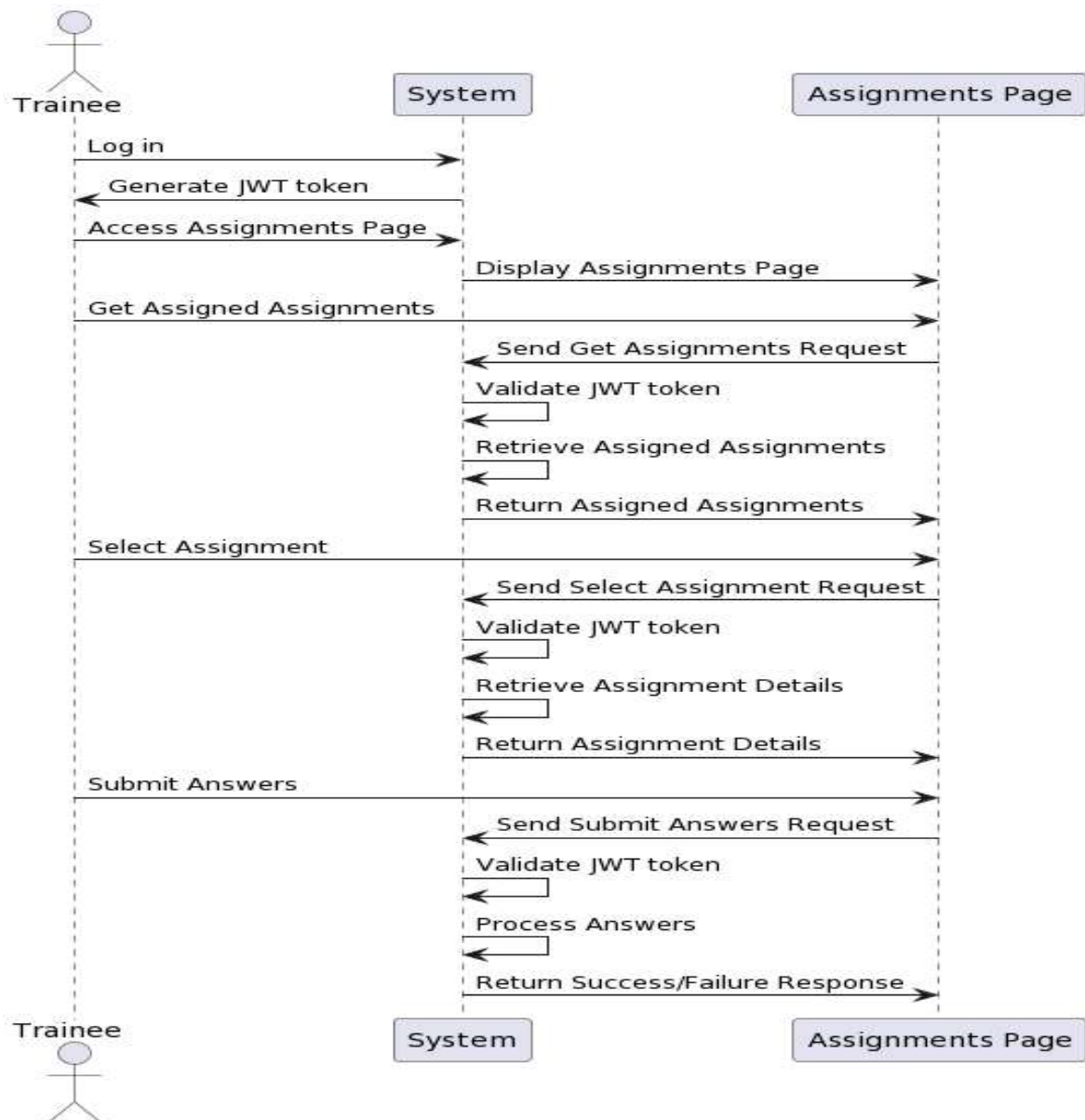Diagram 4: Sequence diagram of Trainer creating an assignment

Diagram 5: Sequence diagram of Trainee getting the assignments details, and
submitting answer to a selected assignment.