

SOFTWARE

DESIGN DIAGRAMS

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TATHVA PAPER SUBMISSION PORTAL

Submitted by:

JAY SHANKAR YADAV (M120387CA) (Team Leader)

ABHINABA AUDHYA (M120360CA)

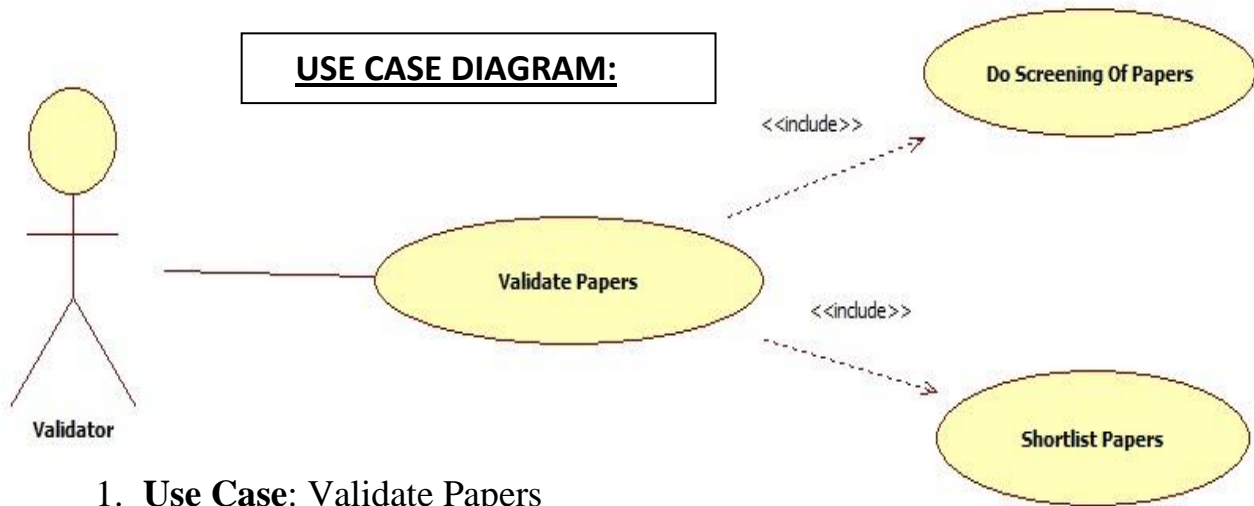
HARIPRIYA V (M120440CA)

VIKASH KUMAR (M120354CA)

SUBMITTED IN FULFILLMENT
OF THE REQUIREMENTS OF
CS3004 SOFTWARE ENGINEERING

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1. Use Case: Validate Papers

Actors: Validator

Goals: To validate submitted papers.

Preconditions: Paper has been submitted by competitor.

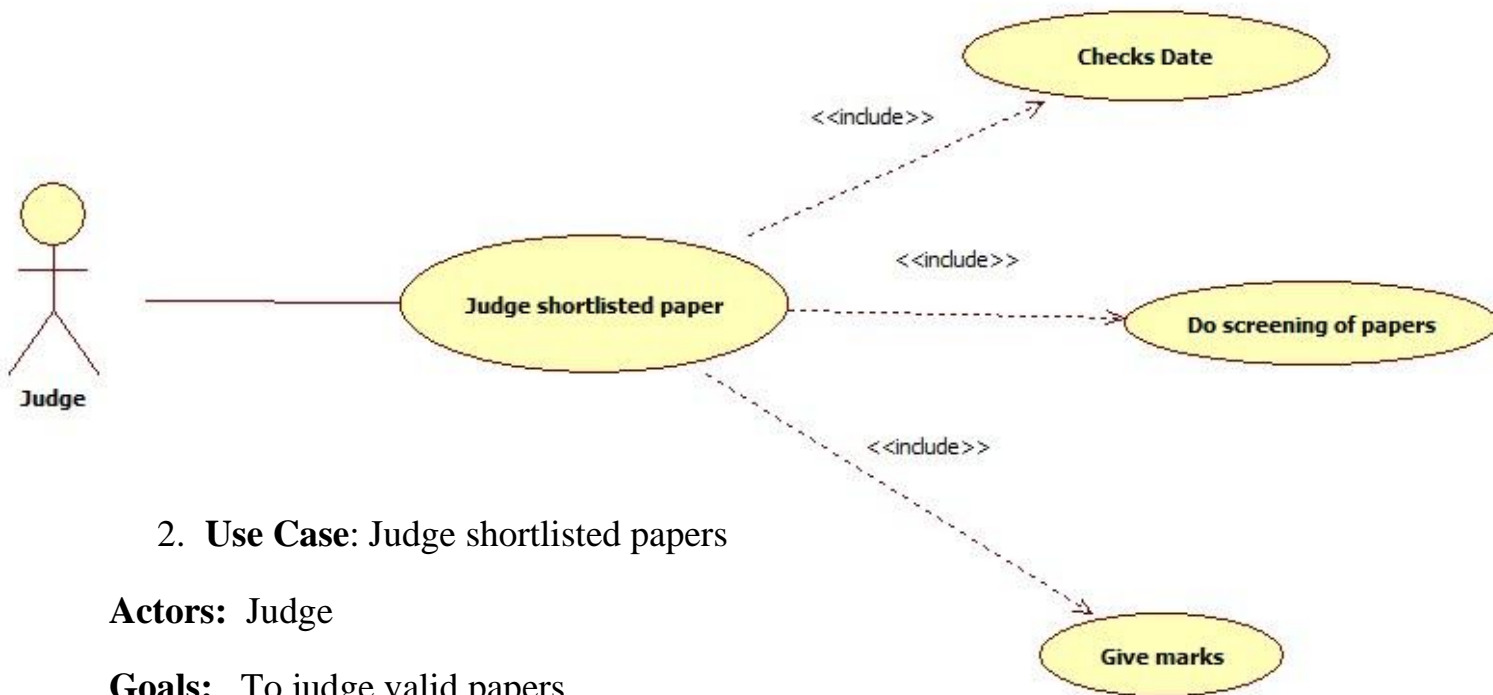
Summary: Competitor has submitted the paper. Validator selects a paper that has not been checked. Validator does Screening of Paper and checks plagiarism and other format issues and shortlists paper accordingly .

Related use cases: Do Screening Of Papers , Shortlist Papers.

Steps:

Actor actions :	System actions :
1. Choose Validate option	2. Generates a list of unchecked Papers.
3. Choose a Paper from list	4a. System provides a view for the selected Paper.
	4b. System also provides valid and invalid option.
5. After reviewing the paper , Validator chooses valid or invalid option.	6a. If valid option is chosen then Positive acknowledgement is sent to Competitor and shortlists the paper for judging .
	6b. If invalid option is chosen then Negative acknowledgement is sent to Competitor .
	6c. After validation the paper is removed from unchecked list.

Post conditions: The Validator has validated the paper.



2. Use Case: Judge shortlisted papers

Actors: Judge

Goals: To judge valid papers.

Preconditions: The Validator has already validated the paper and forwarded to Judge.

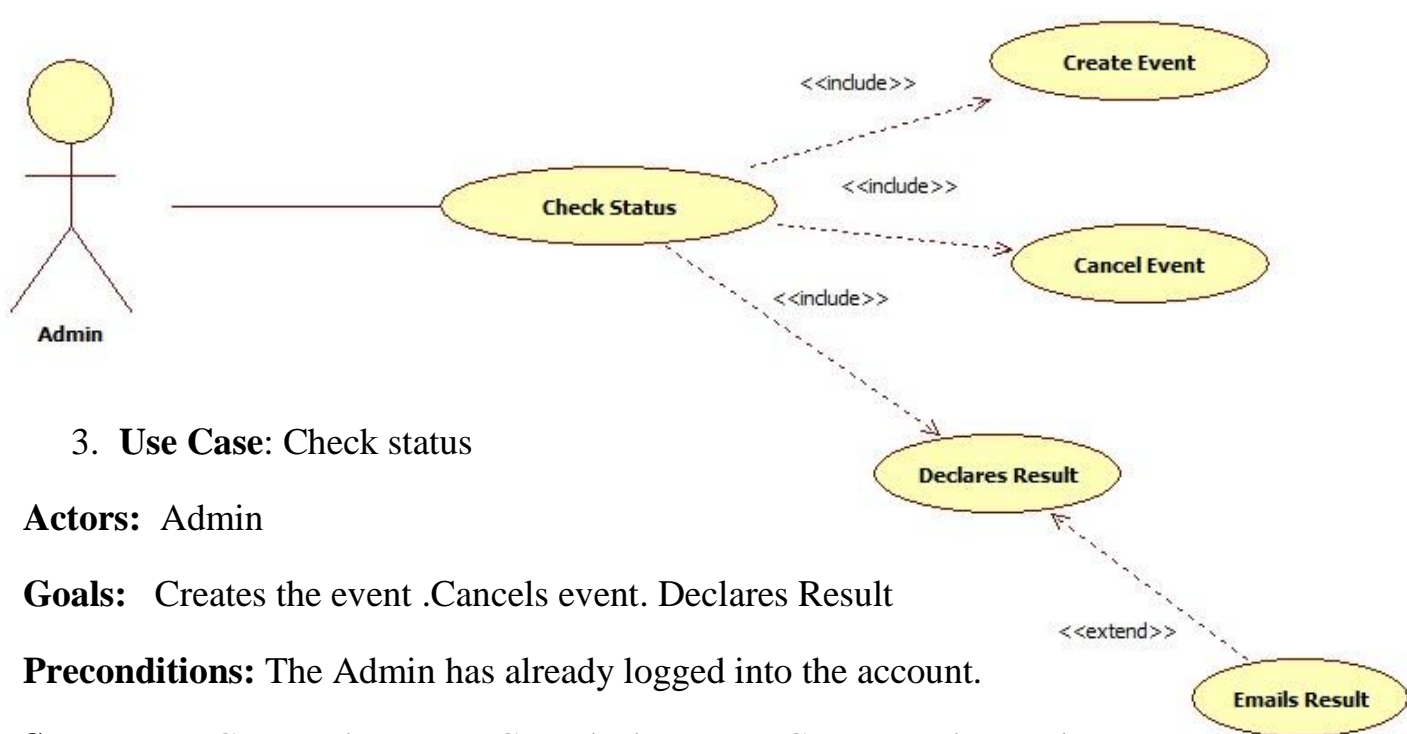
Summary: Judge evaluates all valid papers and does marking.

Related use cases: Give marks, Do screening of papers.

Steps:

Actor actions :	System actions :
1. Choose Judge option	2a. Checks Date. 2b. If date satisfies then generates a list of valid Papers.
3. Choose a Paper from list	4a. System provides a view for the selected Paper. 4b. System also provides marking option for the paper.
5. After judging the paper , Judge does marking.	6a. After judging , the paper is removed from list.

Post conditions: The paper is evaluated.



3. Use Case: Check status

Actors: Admin

Goals: Creates the event .Cancels event. Declares Result

Preconditions: The Admin has already logged into the account.

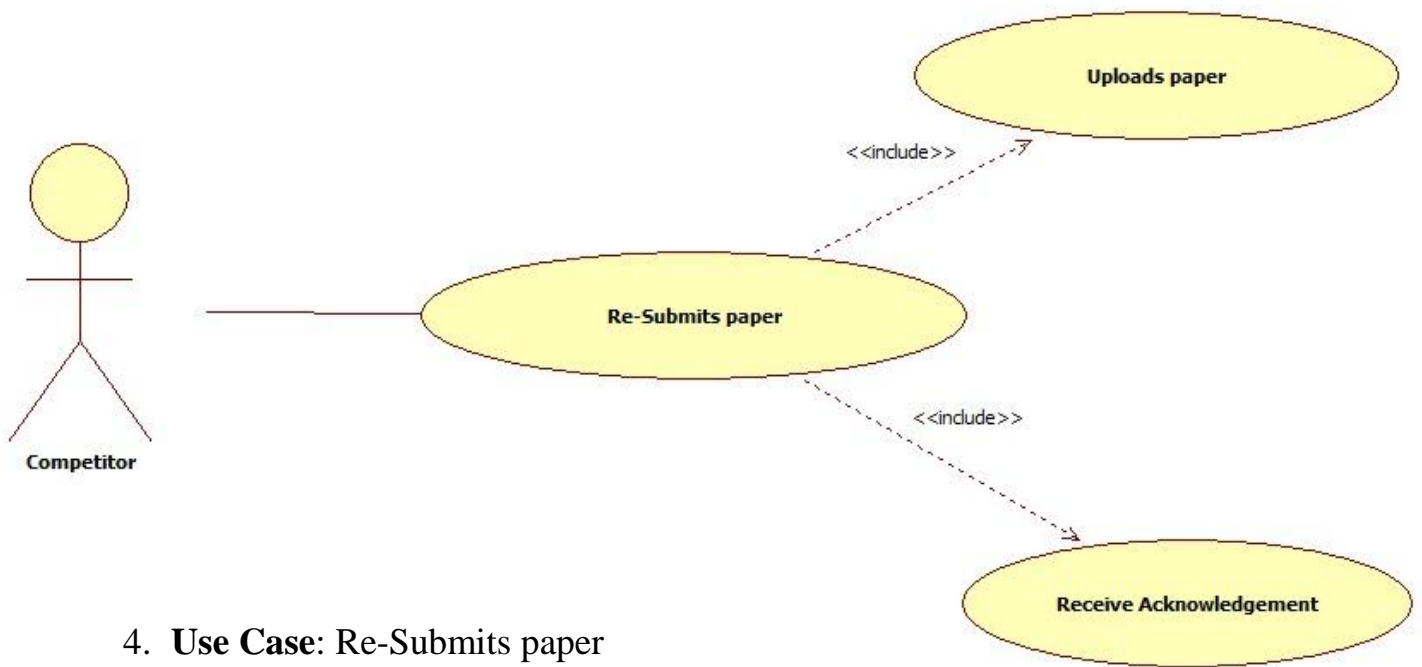
Summary: Creates the Event .Cancels the Event .Generates the result.

Related use cases: Create Event, Cancel Event, Declares Result, Emails Result.

Steps:

Actor actions :	System actions :
1. Choose Manage Competition option	2a. Provides 3 options 1. Create Event 2. Cancel Event 3. Declare Result
3. Choose an option	4a. If Create Event is chosen then corresponding checks are performed and if checks are true, event is created. 4b. If Cancel Event is chosen, corresponding checks are performed and if checks are true, event is cancelled. 4c. If Declare Result is chosen then corresponding checks are performed and if checks are true, result declared. After result declaration event get closed.

Post conditions: The Admin gets the status .(Action successful/unsuccessful)



4. Use Case: Re-Submits paper

Actors: Competitor

Goals: Resubmit paper if receives negative acknowledgement.

Preconditions: User is registered and has received negative acknowledgement.

Summary: Receives a negative acknowledgement and resubmits the paper.

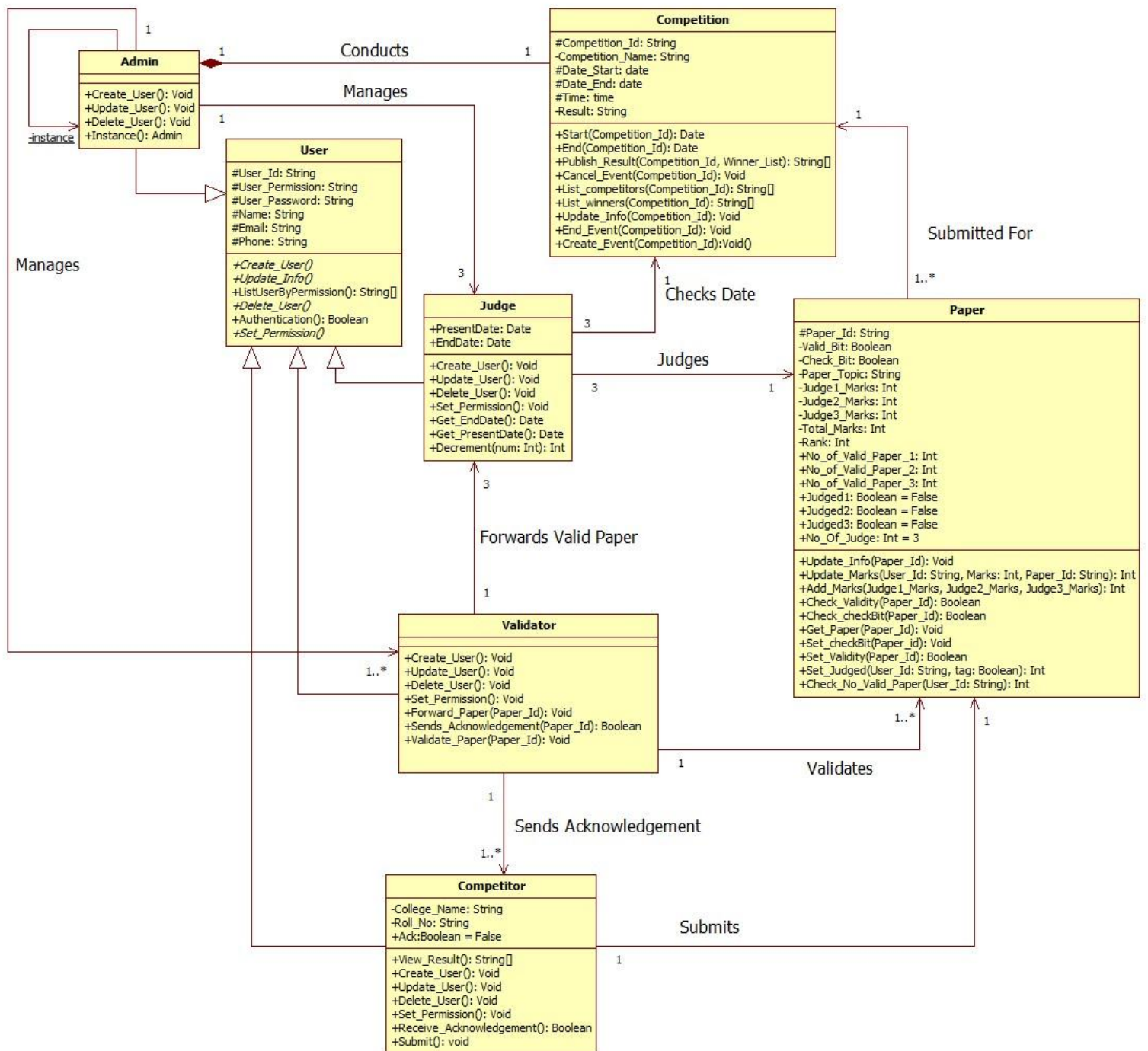
Related use cases: Receive Acknowledgement, Uploads paper.

Steps:

Actor actions :	System actions :
1. Receive Acknowledgement.	2. If Acknowledgement is Negative, provides resubmit option
3. Uploads Paper	4. System stores the paper in database
5. Waits for Acknowledgement.	

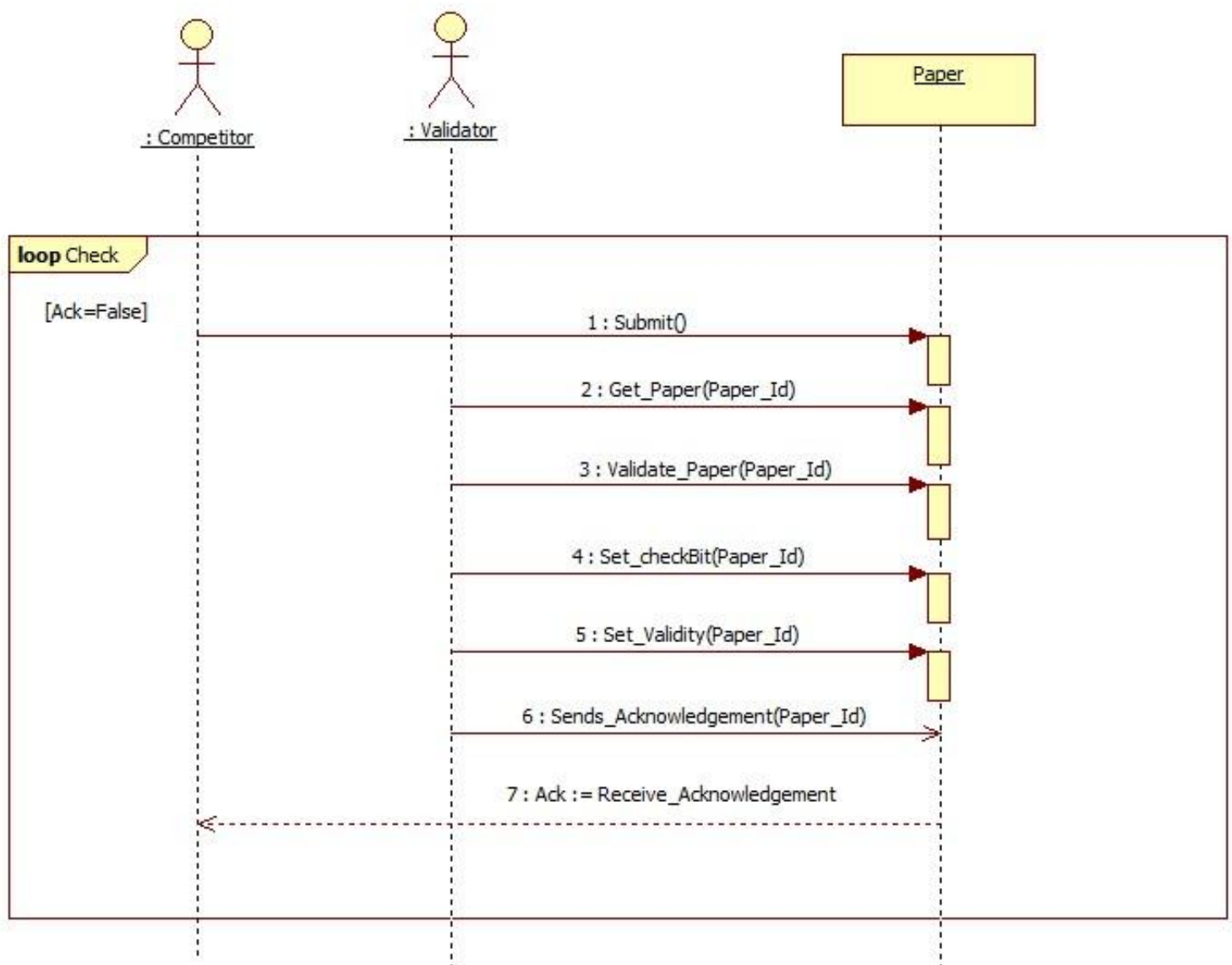
Post conditions: Paper uploaded and Competitor waits for acknowledgement.

Class Diagram :



Sequence Diagram :

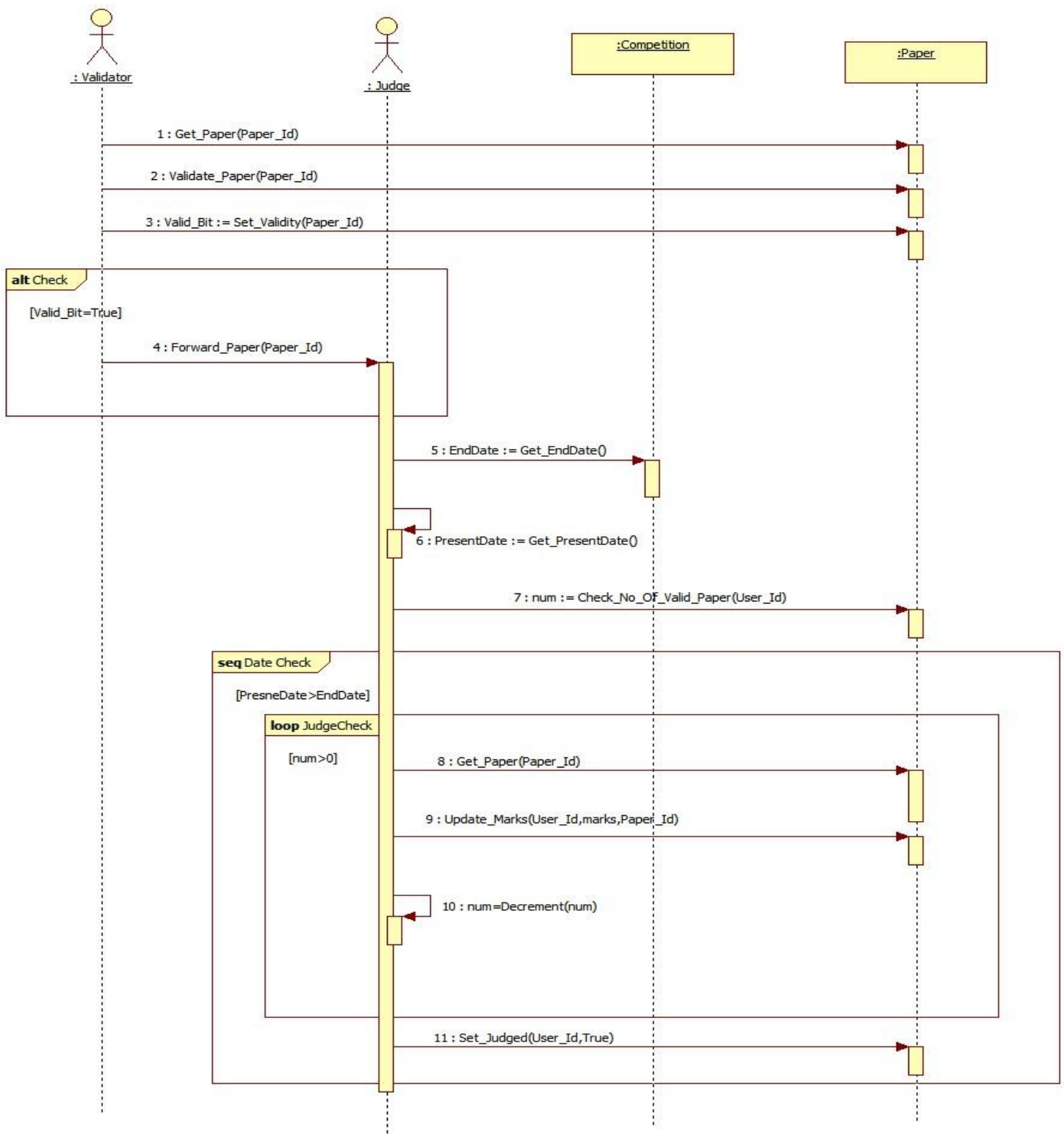
1. Competitor and Validator :



Reference :

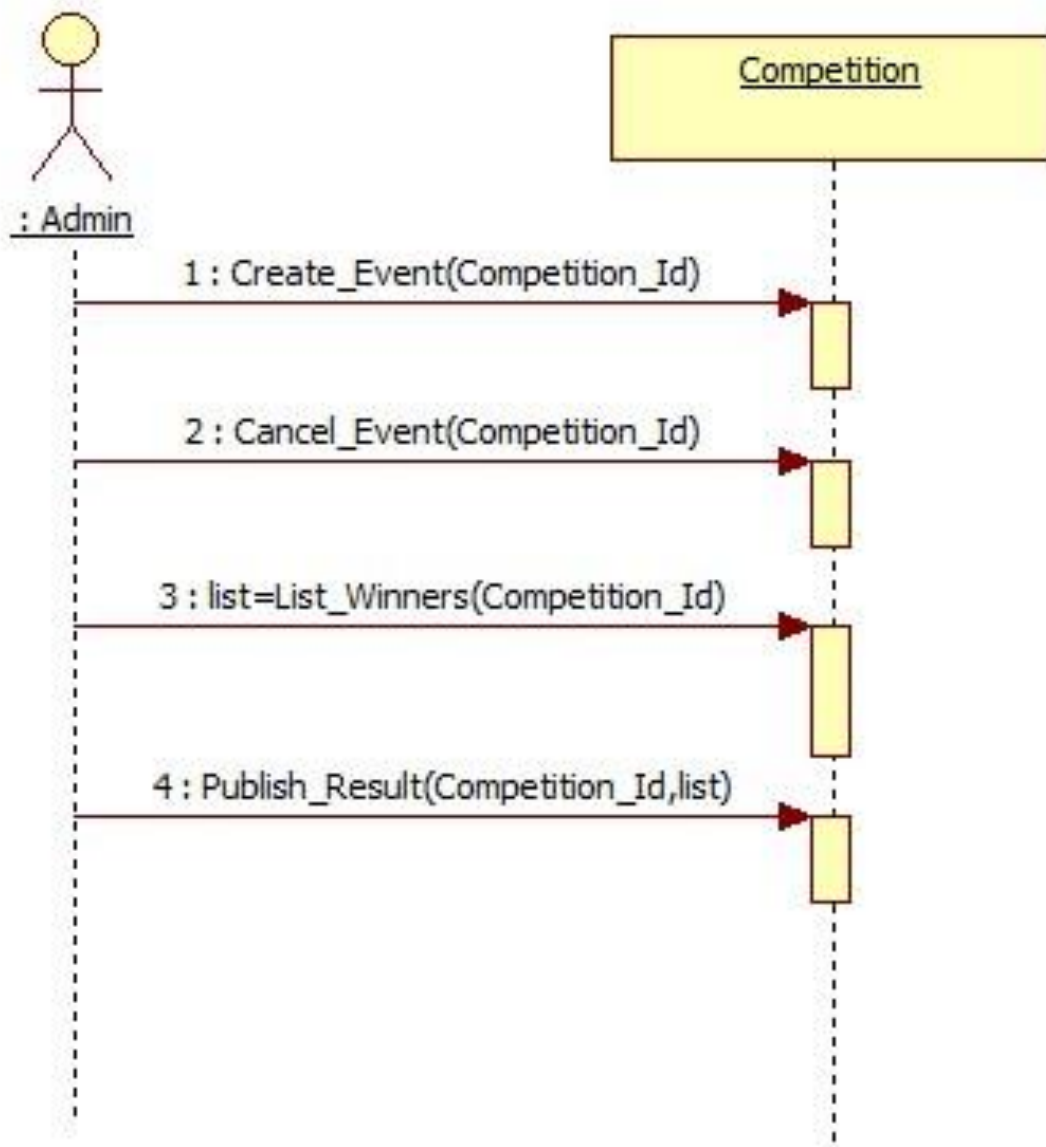
1. Use case : Submit Paper. Requirement : Section 3.1.2 from SRS.
2. Use case and Requirement : Resubmits Paper (From present Document).
3. Use case and Requirement : Validate Papers (From present Document).

2. Judge



1. Use case and Requirement : Judge Shortlisted Papers (From present Document).

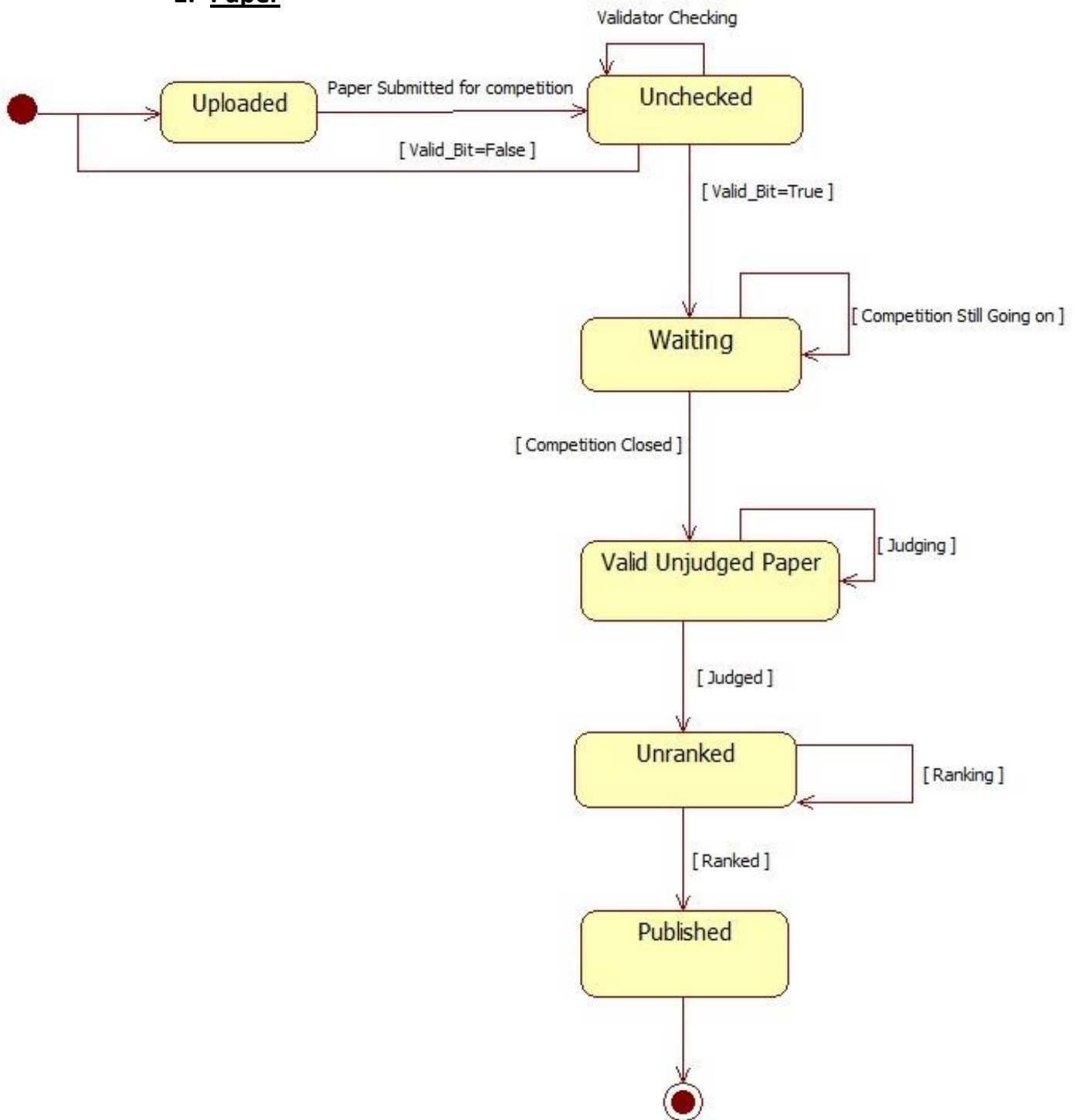
3. Admin



1. Use case and Requirement : Check Status (From present Document).

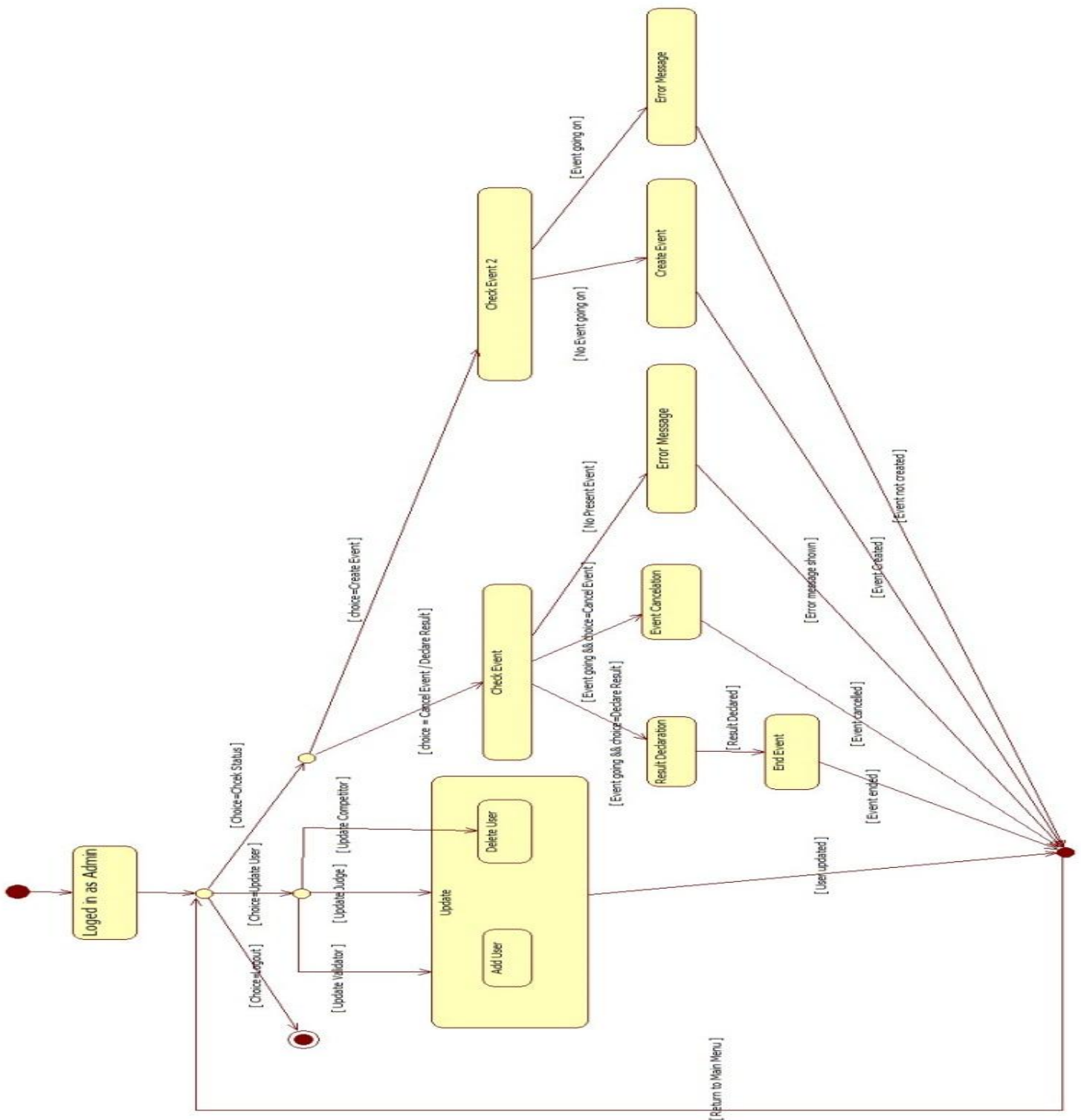
State Diagram :

1. Paper



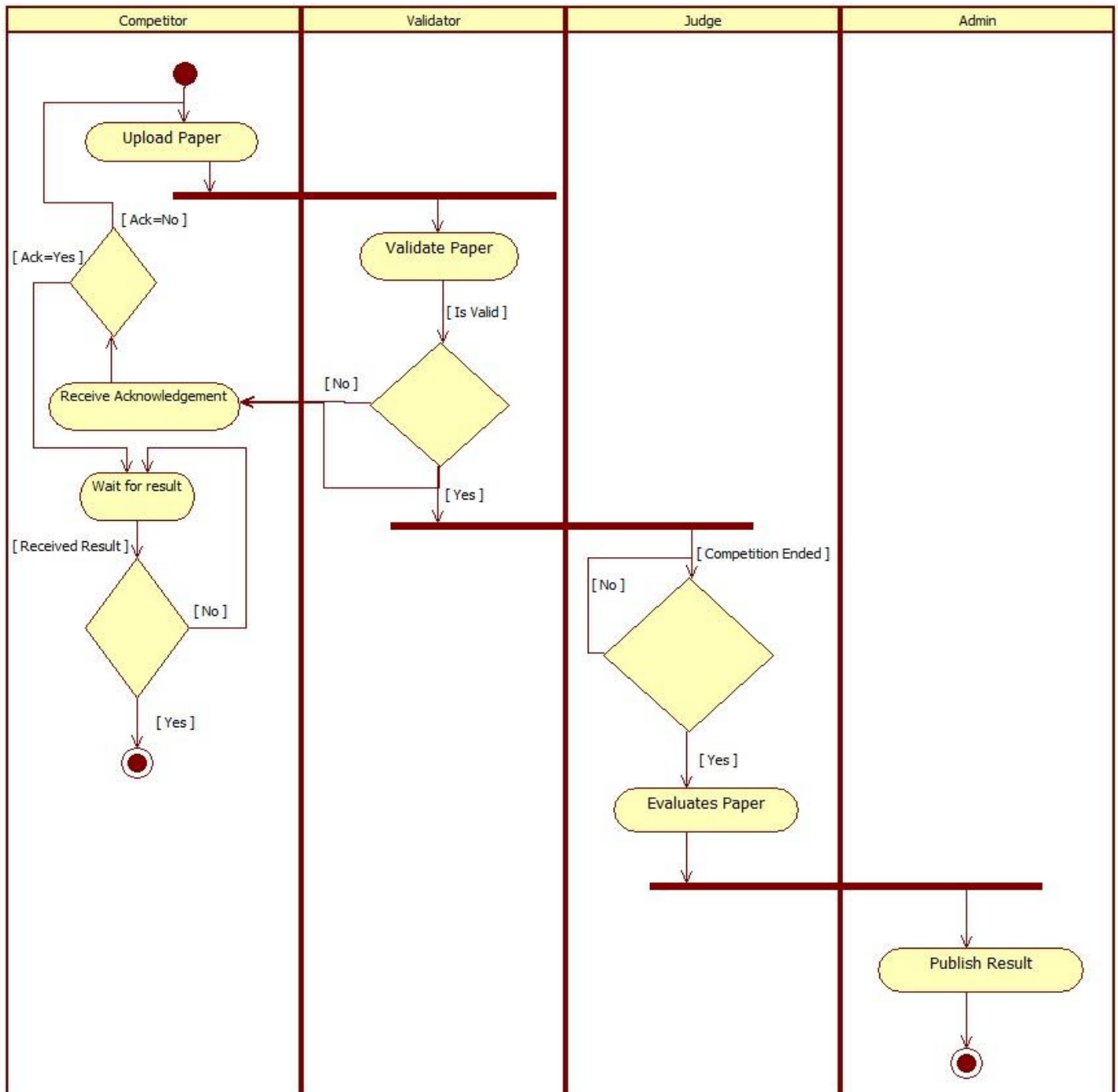
1. Use case : Submit Paper. Requirement : Section 3.1.2 from SRS.
2. Use case and Requirement : Resubmits Paper (From present Document).
3. Use case and Requirement : Validate Papers (From present Document).
4. Use case and Requirement : Judge Shortlisted Papers (From present Document).
5. Use case and Requirement : Check Status (From present Document).

2. Admin



1. Use case and Requirement : Check Status (From present Document).
2. Use case : Admin Use Cases. Requirement : Section 3.1.8 from SRS.

Activity Diagram:



1. Use case : Submit Paper. Requirement : Section 3.1.2 from SRS.
2. Use case and Requirement : Resubmits Paper (From present Document).
3. Use case and Requirement : Validate Papers (From present Document).
4. Use case and Requirement : Judge Shortlisted Papers (From present Document).
5. Use case and Requirement : Check Status (From present Document).