**Exercise -1  
1)**

Golden academy is a leading academy in the world. it conducts an award ceremony annually to honor achievements in the field of motion picture and television series.

Nominations for the award ceremony are selected by an expert panel of judges.  
  
Judges first need to select award categories and then need to select suitable nominees for the selected Award categories.  
  
 Judges have the right to add, delete, and modify award categories and its nominees at any given time   
  
Judges also need to select special awards which are selected by the panel of judges only.  
  
.If there is any concern judges should contact admin.

After finalizing award categories and nominees judges need to handover the award categories and its nominees to admin.  
  
Judges need to handover list of special awards winners to the admin as well.  
  
In this system there are two types of voters as guest voters and member voters.  
  
Guest voters are eligible to vote under popular category only. One must register to the system before voting.  
  
Member voters are already registered in the system and they need to log in to the system by entering their member id and password.  
  
Guest voters can browse the “Popular” award category and cast their vote.  
  
Only Member voters can browse the “Best” category and cast their vote. Member voters are also eligible to vote in “Popular” category as well.

If there are any errors or issues during the voting process voters can report or suggest to admin about them.  
  
After casting vote voters can also reach to public comment section and post their opinion regarding the process and also can view and reply to others opinions as well.  
  
 Admin needs to display the voting instructions and rules and regulations to the voter before they vote.

Admin needs to have the facilities of the add / update/ modify members or their information such as name, address, email or phone number.

Admin needs to Calculate the votes separately as normal votes and member votes and create results report. Report needs to have analysis like nominations that got highest votes, least votes and names of judges etc.

Admin Needs to display results as award and next to that the winner as well as the number of votes they got, the results of the special award winners who decided by the judges.

**2)**

Nominations for the award ceremony are selected by an expert panel of judges.  
  
Judges first need to select award categories and then need to select suitable nominees for the selected Award categories.  
  
 Judges have the right to add, delete, and modify award categories and its nominees at any given time   
  
Judges also need to select special awards which are selected by the panel of judges only.  
  
.If there is any concern judges should contact admin.

After finalizing award categories and nominees judges need to handover the award categories and its nominees to admin.  
  
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Admin Needs to display results as award and next to that the winner as well as the number of votes they got, the results of the special award winners who decided by the judges.

Noun-Verb Analysis

Nouns   
  
Nominations-Class

Award ceremony-Out of scope

Judges-Class

Award categories-Class  
  
Special awards -Attribute

Admin-Class

Voters – Class

Guest voters – Class

Member voters – Class

Vote – Attribute

Member ID – Attribute

Password – Attribute

Popular category – Attribute

Best category – Attribute

Admin – Class

Public comment section – Class

Golden online voting system – Out of scope

Voter - Class

Vote - Attribute

Members - Class

Name - Attribute

Address - Attribute

Email - Attribute

Phone number - Attribute

Normal - Class

Report - Class

Judges - Class

Results - Class

Awards - Class

Special award winner – Attribute

Verbs  
  
Select nominations

Select award categories

Add/delete/modify award categories

Add/delete/modify nominations

Select special awards

Handover award categories and nominations.

Log in

Register

Cast vote

Contact admin

Add comment

Display voting instructions and rules

Add members

Update members  
  
Modify members

Calculate votes

Create results report

Display results