**CSE 5322- Group 4 BrainStorming,Classification and Domain Modeling**

**Red - Noun  
Blue - Transitive Verb  
Green - X of y  
Yellow - Adjective/Enumeration**

**R1. The application shall allow organizers the option to submit an event proposal to the NTSS website.**

R1.1 The application shall allow organizers to select the timings and the dates of when the event will be organized.

R1.2 The application shall allow organizers to set the registration fee of attending the event.

R1.3 The application shall prompt the organizers to pay an initial deposit fee during their submission of the event proposal.

R1.4 The application shall allow the organizers to pay using their debit cards, credit cards.

**R2. The application shall allow all users to create an account by providing their email address and basic personal information.**

R2.1. The application shall require the users to create a password that complies with the guidelines of a strong password \*\*\*.

R2.2. The application shall provide the user the option to choose the account type to determine the privileges (exhibitors, speakers, observers).

**R3. The application shall allow organizers to customize the event upon approval of the event proposal.** R3.1 The application shall allow the Organizer to create an event based on location, slogan, theme, duration, services, and expectations.

R3.2 The application shall allow the Organizer to promote an event using advertisement.

R3.3 The application shall allow the Organizer to create an event and give quotations to the exhibitor based on the booth size.

**R4. The application shall allow exhibitors the opportunity to submit a request for renting out a booth.**

R4.1 The application shall provide exhibitors the option to choose the booth sizes according to their requirements (small, medium, large).

R4.2 The application shall allow the exhibitors the option to choose the quantity of booths required.

R4.3 The application shall prompt the exhibitors to pay a total reservation fee for their booths.

**R5. The application shall allow observers to register for an event.**

R5.1 The application shall allow the observers to select the event of their interest.

R5.2 The application shall prompt the observers to pay for the event registration.

**R6. The application shall allow invited speakers to register for an event.**

R6.1 The application shall allow the Organizer to invite their respective speaker for a particular event.

R6.2 The application shall prompt the speakers to pay for the event registration.

**R7. The application shall provide the organizers an option to select from a list of predefined domains to describe their event while submitting their event proposal.**

R7.1 The application shall allow the application administrators to add new domains.

R7.2 The application shall allow the application administrators to delete the outdated domains.  
  
  
**Assumptions**

* The organizer will be responsible for providing conference rooms for seminars, reception, and distributing trade show materials.
* The advertisement for events will be sent through emails to all registered users of the NTSS Website.
* The NTSS Administrator is responsible for creating the accounts for organizers and the organization staff.
* The NTSS Administrator will create an account for the business customers to maintain account balances and transactions.

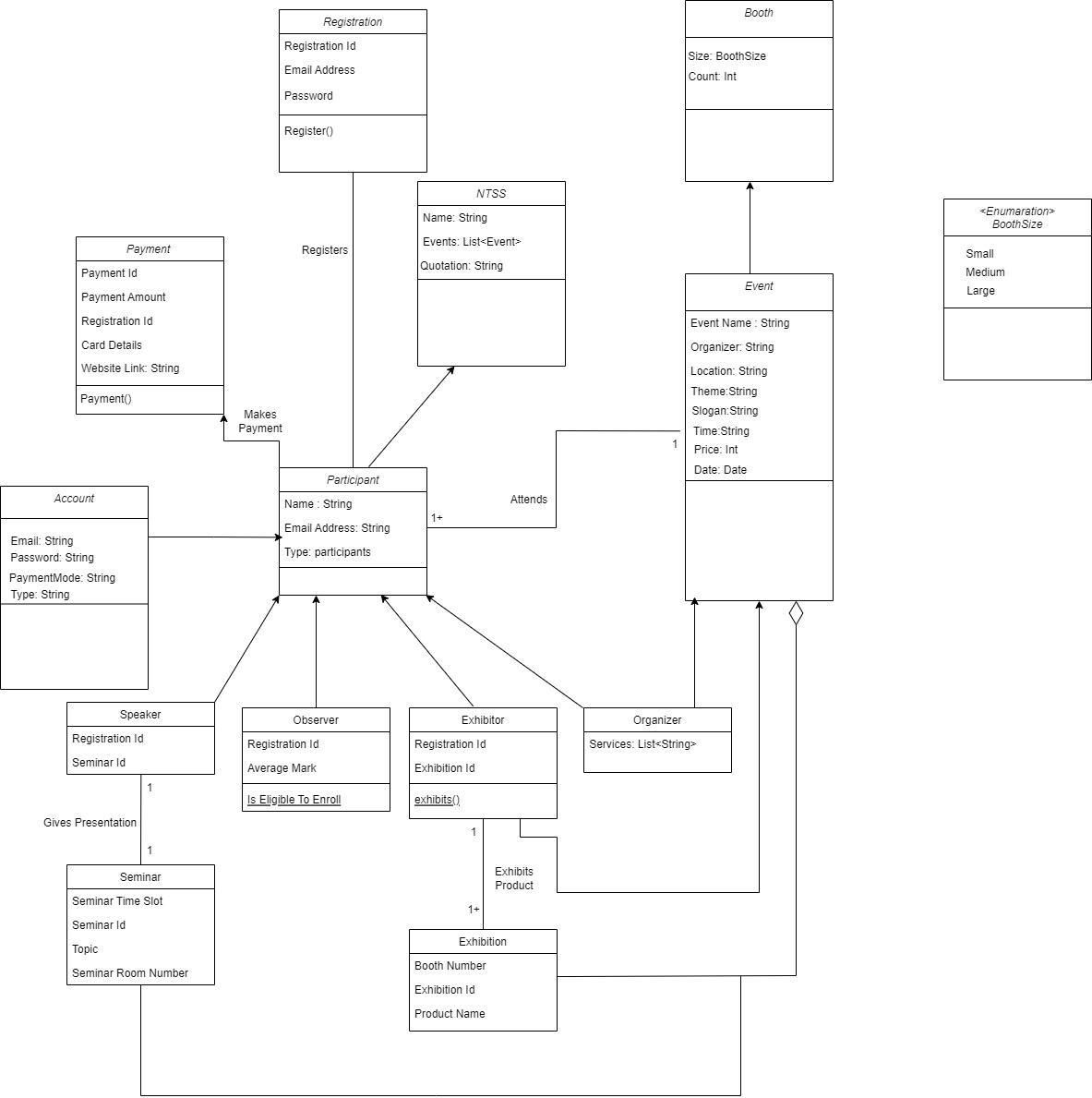
**Constraints**

* The application shall utilize MySQL as its database source.
* The application shall be implemented utilizing J2EE.
* The application shall utilize HTML & CSS to design the web pages.

**Brainstorming & Classification List**

| **Brainstorming List** | **Classification Result** | **Rule** |
| --- | --- | --- |
| **Application** | **C(Application)** | **1(a)** |
| **Shall allow** | **AS(Organizer)** | **3** |
| **Organizers** | **C(Organizer)** | **1(a)** |
| **Observers** | **C(Observer)** | **1(a)** |
| **Exhibitors** | **C(Exhibitor)** | **1(a)** |
| **Events** | **C(Event)** | **1(a)** |
| **Submit request** | **AS(Organizer)** | **3** |
| **Event Proposal** | **A(Event)** | **1(e)** |
| **Select** | **AS(Organizer)** | **3** |
| **DateTime** | **A(Event)** | **1(e)** |
| **organize** | **AS(Event)** | **3** |
| **set** | **AS(Event)** | **3** |
| **Registration fee** | **A(Event)** | **1(e)** |
| **Prompt** | **AS(Organizer)** | **3** |
| **Pay** | **AS(Organizer)** | **3** |
| **Deposit fee** | **A(Event)** | **1(e)** |
| **Debit/Credit card** | **A(Organizer)** | **1(e)** |
| **Speakers** | **C(Speaker)** | **1(a)** |
| **Create** | **AS(Speaker,Exhibitor,Observer)** | **3** |
| **Account** | **C(Account)** | **1(a)** |
| **Providing** | **AS(Speaker,Exhibitor,Observer)** | **3** |
| **Email Address** | **A(Account)** | **1(e)** |
| **Password** | **A(Account)** | **1(e)** |
| **User Type** | **A(Account)** | **1(e)** |
| **Choose** | **AS(Account)** | **3** |
| **Customize** | **AS(Event)** | **3** |
| **Approval** | **AS(Event Proposal)** | **3** |
| **Location** | **A(Event)** | **1(e)** |
| **Slogan** | **A(Event)** | **1(e)** |
| **Theme** | **A(Event)** | **1(e)** |
| **Duration** | **A(Event)** | **1(e)** |
| **Promote** | **AS(Event)** | **3** |
| **Advertisement** | **A(Event)** | **1(e)** |
| **Quotation** | **A(Event)** | **1(e)** |
| **Give** | **AS(Quotation)** | **3** |
| **Booth Size** | **A(Booth)** | **1(e)** |
| **Booths** | **C(Booth)** | **1(a)** |
| **Booth Number** | **A(Booth)** | **1(e)** |
| **Booth Quantity** | **A(Booth)** | **1(e)** |
| **Oppurtunity** | **AS(Exhibitor)** | **3** |
| **Submit request** | **AS(Exhibitor)** | **3** |
| **Rseservation Fee** | **A(Booth)** | **1(e)** |
| **Register** | **AS(Observer)** | **3** |
| **Invite** | **AS(Organizer)** | **3** |
| **Shall Provide** | **AS(Organizer)** | **3** |
| **Domains** | **C(Domain)** | **1(a)** |
| **Describe** | **AS(Domain)** | **3** |
| **Administrators** | **C(Administrator)** | **1(a)** |
| **Add** | **AS(Administrator)** | **3** |
| **New Domain** | **AS(Domain)** | **3** |
| **Delete** | **AS(Domain)** | **3** |
| **Outdated Domains** | **A(Domain)** | **1(e)** |

**Domain Modeling Class Diagram**

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