



EduSpace

EduSpace BRD

Connectere Consultants
Ariana Subroyen, Runako Gandidze,
Takudzwa Banda, Matida Churu

Table of Contents

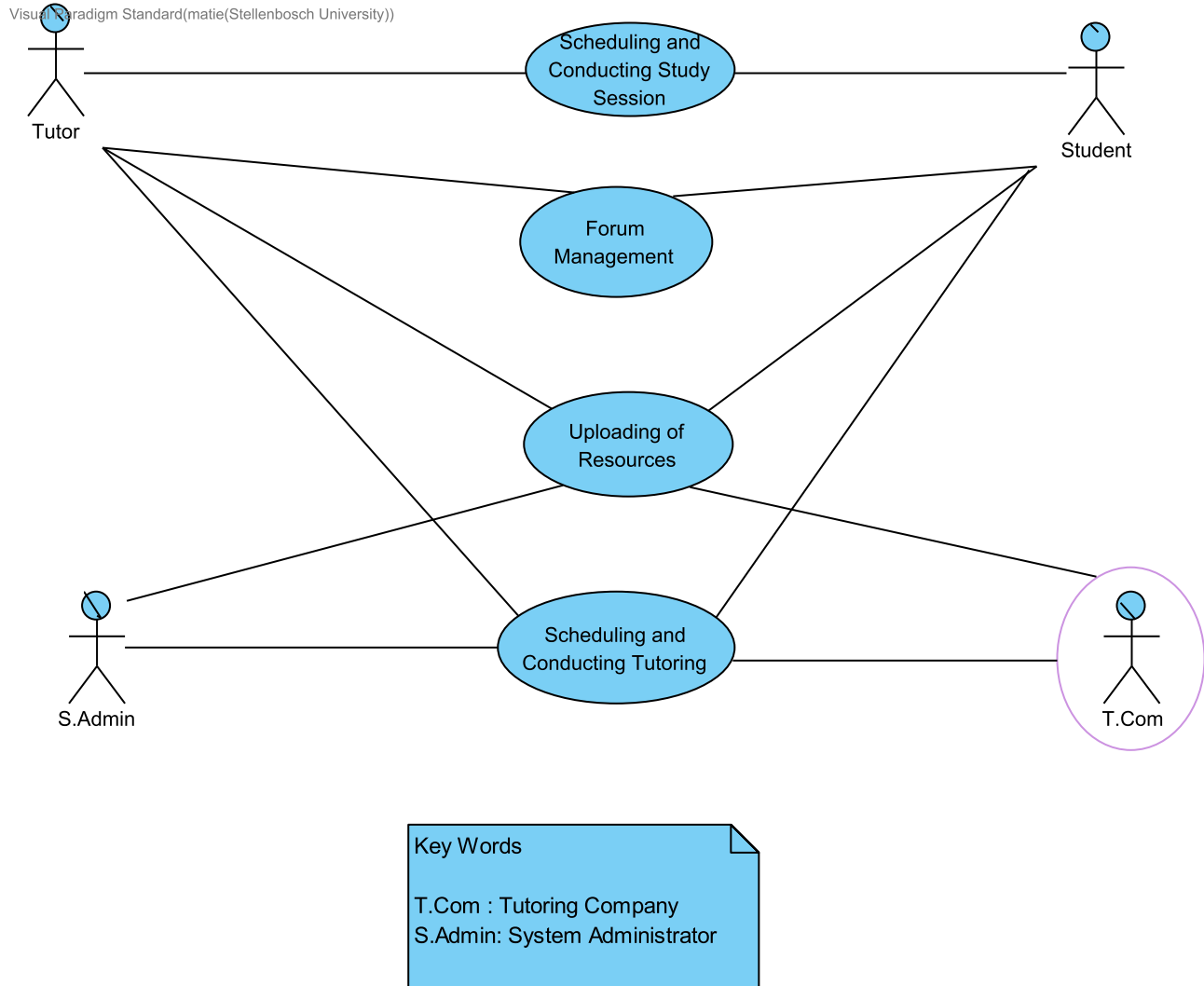
1 Background.....	2
2 Business Use Case.....	3
2.1 Business Use Case Diagram.....	3
2.2 Business Use Case Description	4
2.2.1 System Administrator	4
2.2.2 Quiz Participation	4
2.2.3 Point Management	4
3 Activity Diagrams.....	4
3.1 Tutoring Session.....	5
3.2 Study Session.....	6
3.3 Uploading of Online Resources.....	7
3.4 Forum Participation.....	8
4 Role Map and System Use Cases.....	8
4.1 Role Map.....	9
4.2 Student.....	10
4.3 Tutor.....	11
4.4 User.....	11
4.5 Tutoring Company System Use Case.....	12
4.6 System Administratr.....	12
5 State Machine Diagram.....	13
5.1 Uploading of Online Resources.....	13
5.2 Tutoring Session.....	14
6 Class Diagram.....	15
6.1 Class Diagram.....	15
6.2 Class Diagram 2.....	16

1. Background

EduSpace is a small tutoring company in Stellenbosch that is looking for a way to bridge the gap between student learning at Stellenbosch University. They have approached Connectere Consultants to create an analysis of their mobile application that will enable to bridge this learning gap at Stellenbosch University. The mobile application aims to create a community of engagement between the students that will also enable companies to advertise their tutoring sessions as well as to share summary notes that will better Stellenbosch students. The application platform looks towards enabling peer-to peer learning between students through creation of tutoring sessions and study sessions.

2. Business Use Case

2.1. Business Use Case Diagram



2.2. Business Use Case Description

2.2.1. System Administrator

System administrator for EduSpace refers to the process of verifying accounts to make sure the user is either a Stellenbosch student or a tutoring company. The System administrator will have access to system functionalities such as verifying tutoring sessions from tutoring companies before they can be uploaded. In addition to this they oversee monitoring surveys received from different department within the university and uploading these surveys. These survey's will be made available in the app for students and tutors to participate.

2.2.2. Quiz Participation

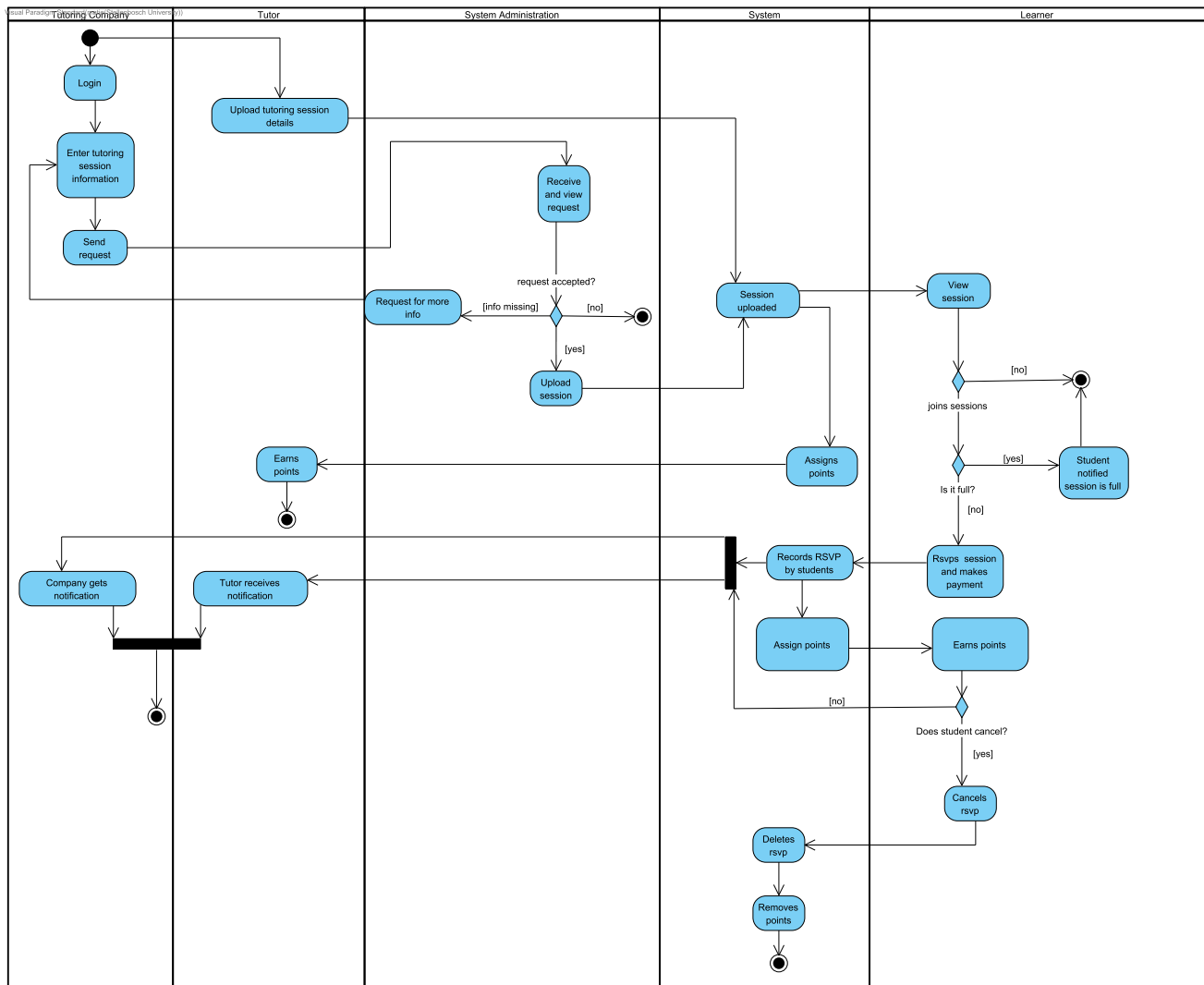
The quiz is part of the study session. The quiz function allows students to pose questions that can be added to the question bank for later reference by tutoring and other students. Questions are checked by system to eliminate duplicates. FAQs can be upvoted once by a user so that they appear at the top. This process results in students getting points.

2.2.3. Point Management

The EduSpace app will award points to students for participating in the application services. Students will gain points for their participation in study sessions, quizzes, surveys, forums, tutoring sessions and for uploading resources, which can later be redeemed as vouchers to sponsorship companies. The same system will be implemented for students when they participate in the quizzes and host a tutoring session, they in turn earn points. Points are not redeemable, but are a status ranking in the application that allow a student to be verified and become a tutor.

3. Activity Diagrams

3.1. Tutoring Session



Tutorial Session Notes

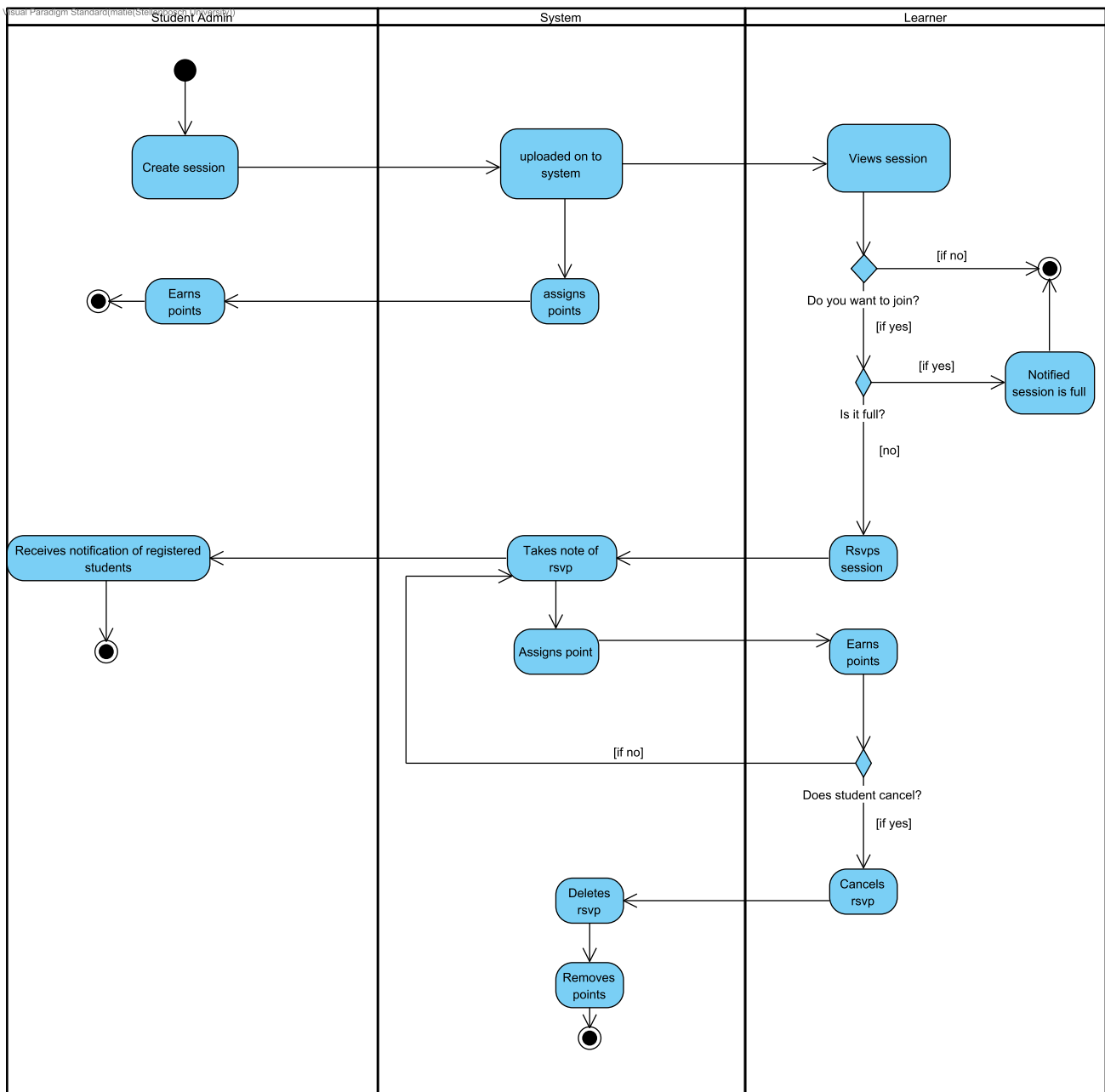
A company is a visitor to the application therefore they request for their session to be marketed through the application.

Whenever something is requested and uploaded there is a notification sent between the sender and the receiver, therefore notification are received via emails.

Points information is in the business yet to be developed.

Students and tutors earn points for participating in the tutoring sessions. Points are awarded to students for joining tutorial sessions and making bookings. Points are awarded to tutors for hosting tutorial sessions.

3.2. Study Session



Study Session Notes

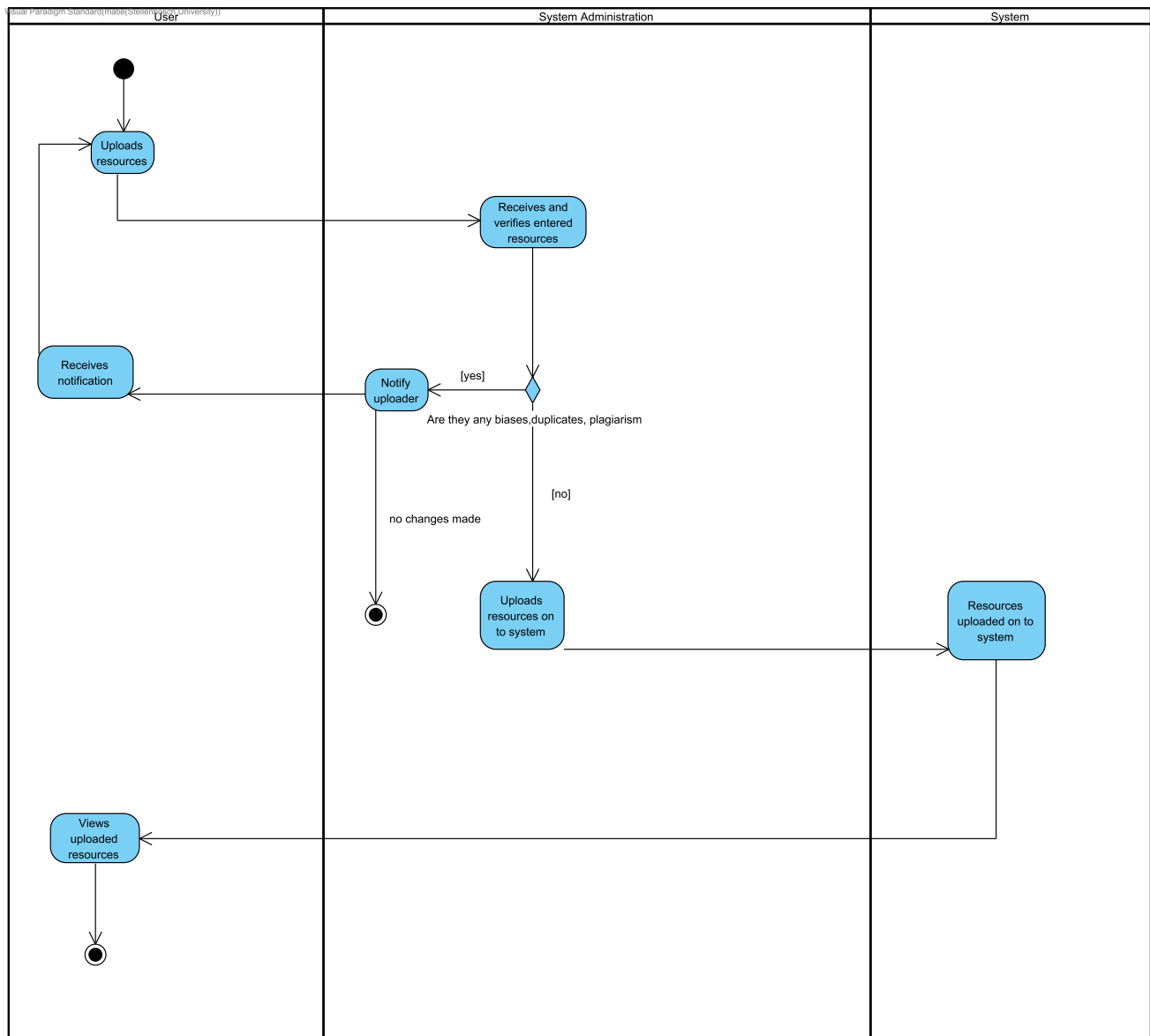
Study Admin and Students earn points through setting of study sessions and joining study sessions set by student admin

Whenever someone creates a session they receive a confirmation notification, then when someone books a study session the booker also receives a notification. Therefore notifications are sent when someone interacts with the system and there is need for confirmation and communication.

More info on the point allocation will be in the business rules still yet to be created

NB: Student Admin is the student who creates the session and the student is any individual who can join a session

3.3. Uploading of Online Resources



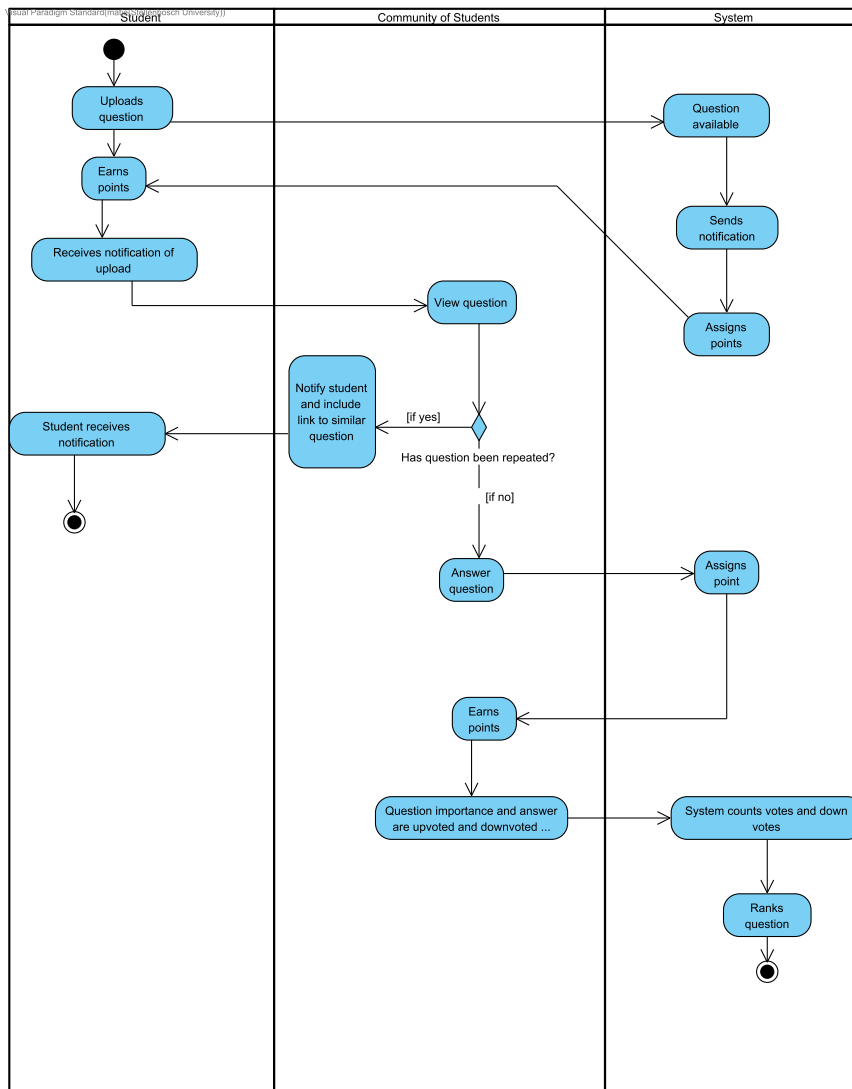
Uploading of Resources

When a student and a tutoring company upload resources they receive a notification as well as the receiver. If the SA requests for more info he sends a notification therefore the uploaders receive a notification. If the SA uploads a resource they notify the uploads and if a student downloads a resource the system is notified

Points specification to be added in the business rules. Please refer there for further clarification. (Yet to be created)

User- Student and Tutoring Company

3.4. Forum Participation



Forum Participation

The BUC is difficult to model has a activity diagram because the answering, flagging and voting of answers takes place simultaneously. Therefore this a rough picture of the activities that takes place during the forum participation.

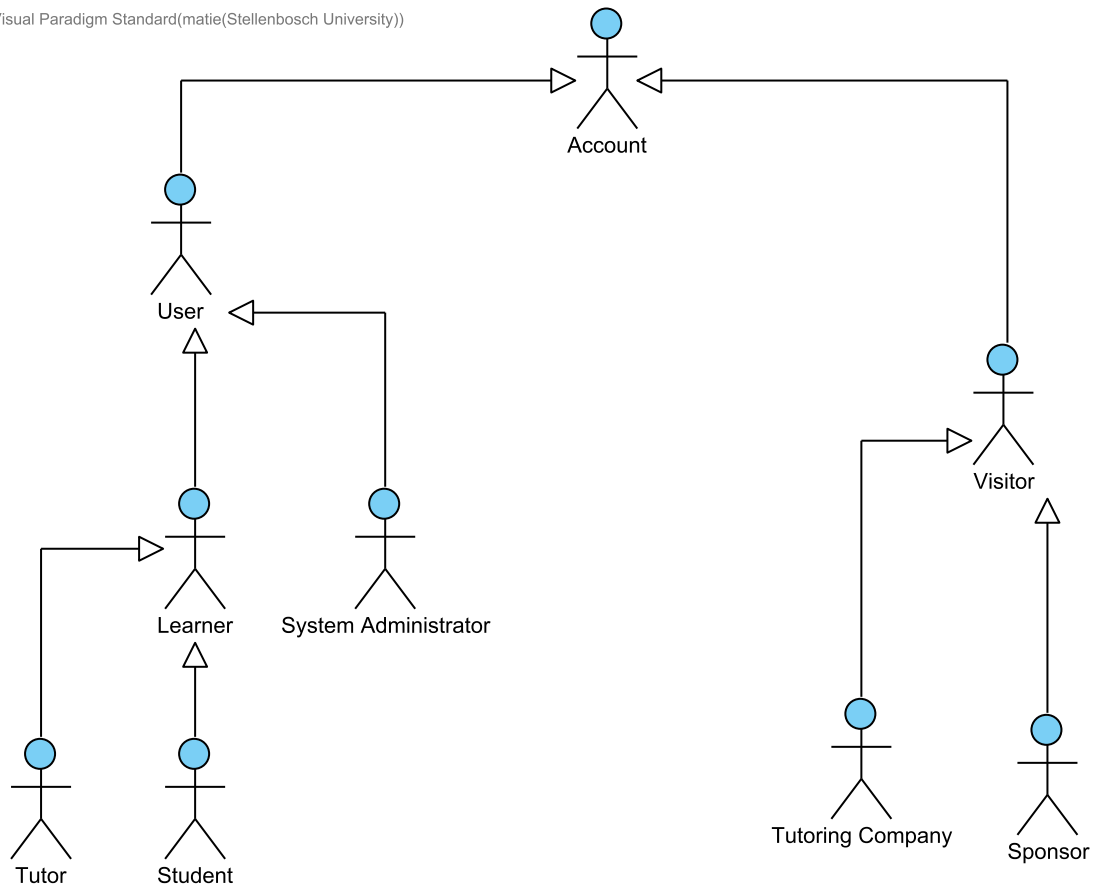
Point Information is in the Business Rules. Still yet to be added

NB: Community of Students is differentiating the student who has posted the question from the rest of the students

4. Role Map and System Use Cases

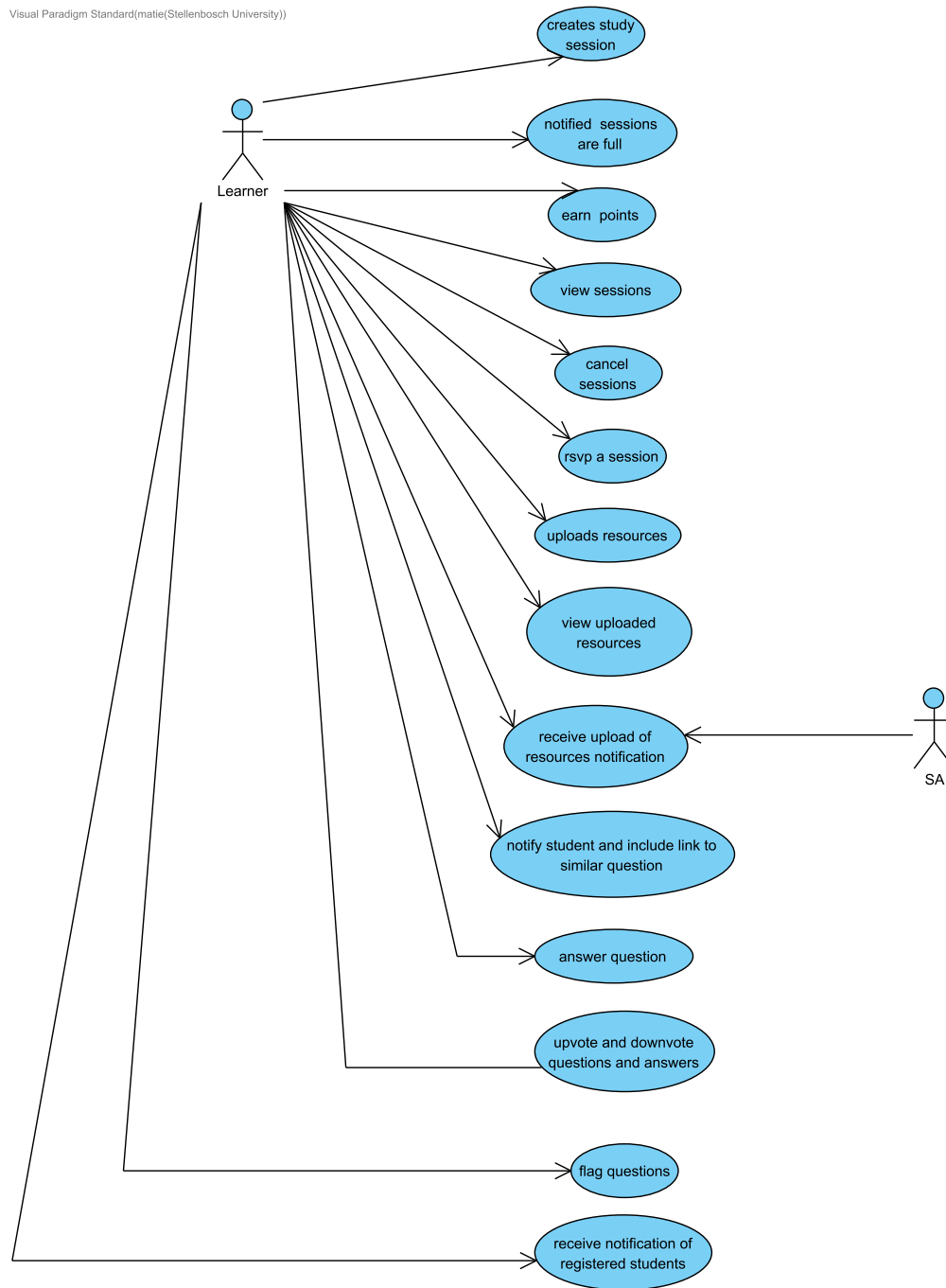
4.1. Role Map

Visual Paradigm Standard(matie(Stellenbosch University))



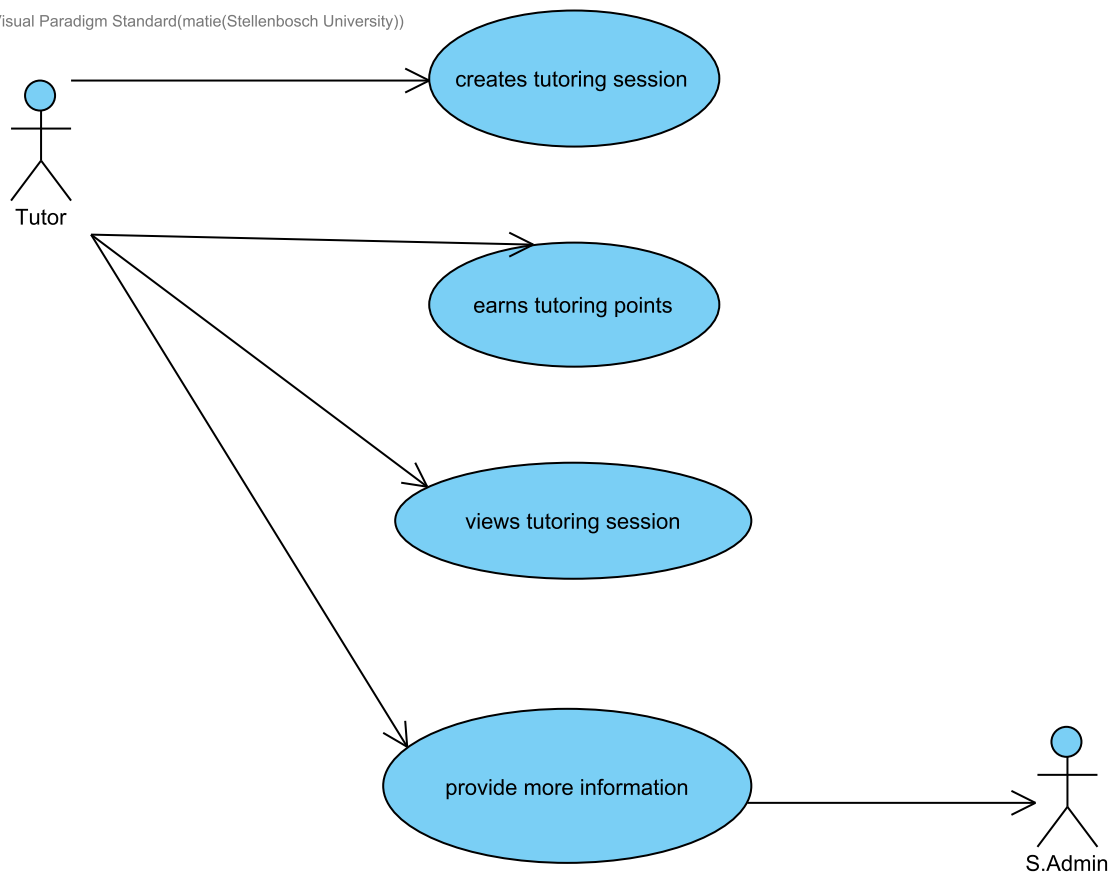
4.2. Student

Visual Paradigm Standard(matie(Stellenbosch University))



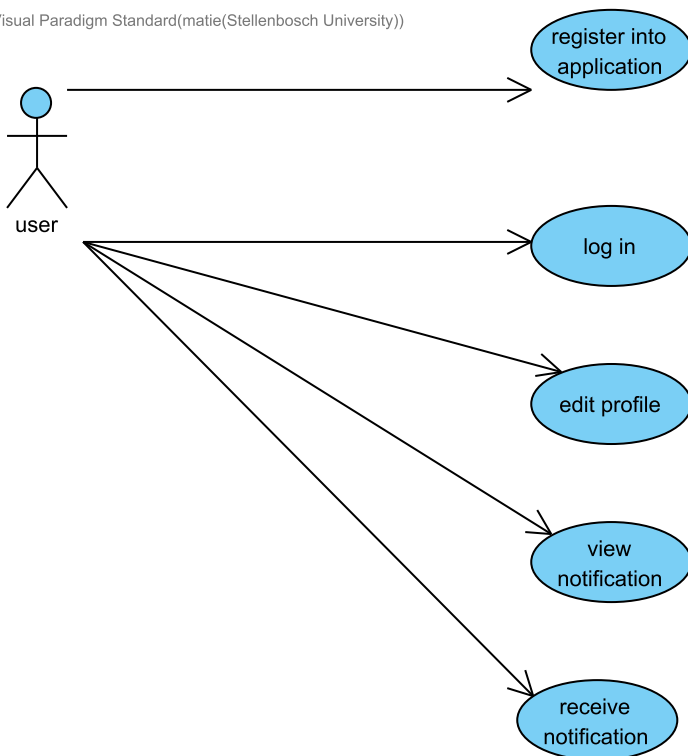
4.3. Tutor

Visual Paradigm Standard(matie(Stellenbosch University))



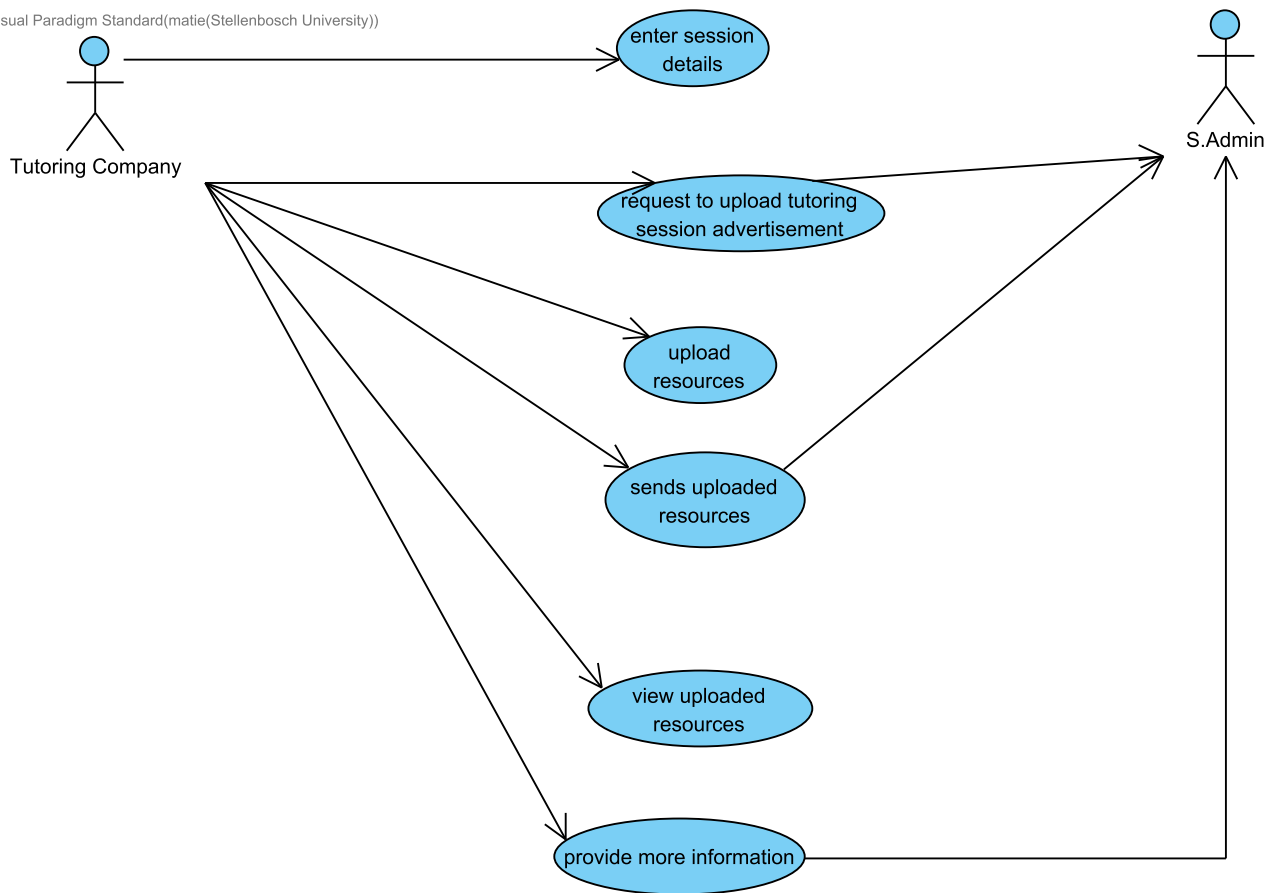
4.4. User

Visual Paradigm Standard(matie(Stellenbosch University))



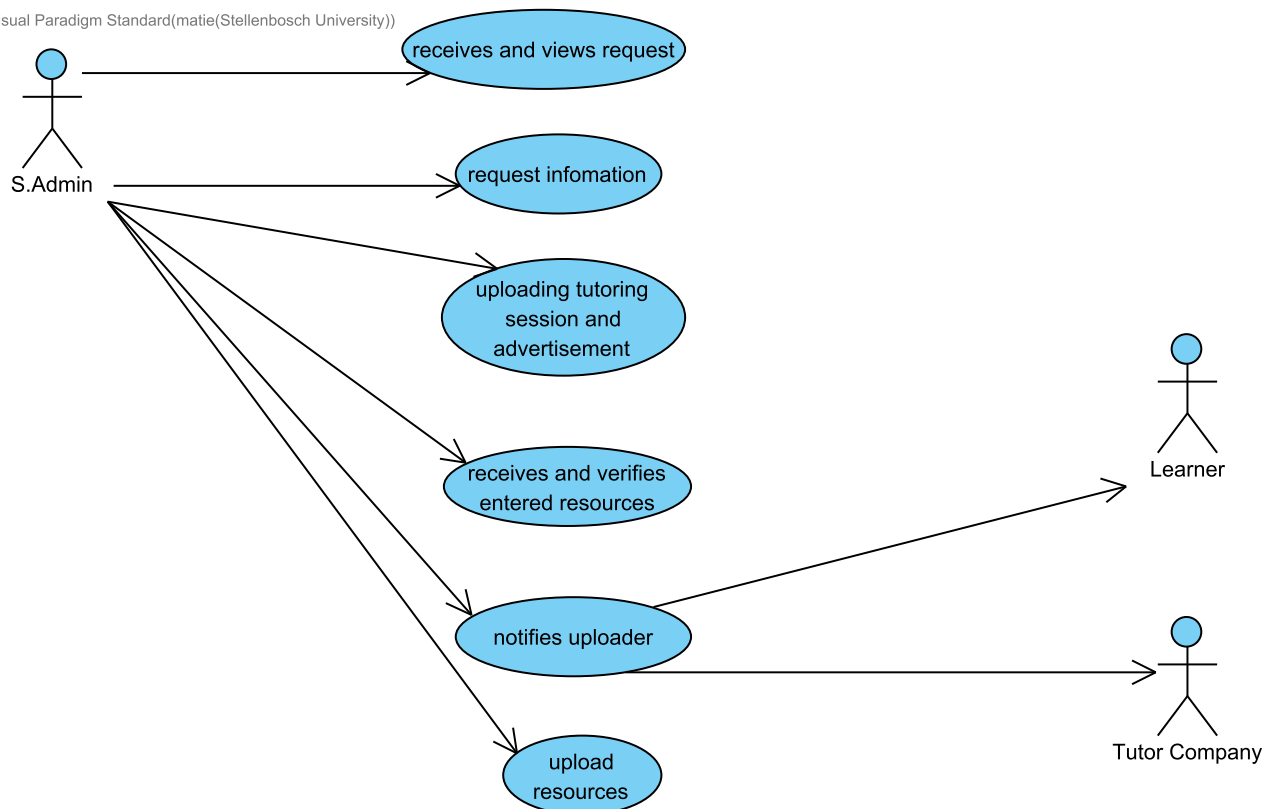
4.5. Tutoring Company System Use Case

Visual Paradigm Standard(matie(Stellenbosch University))



4.6. System Administratr

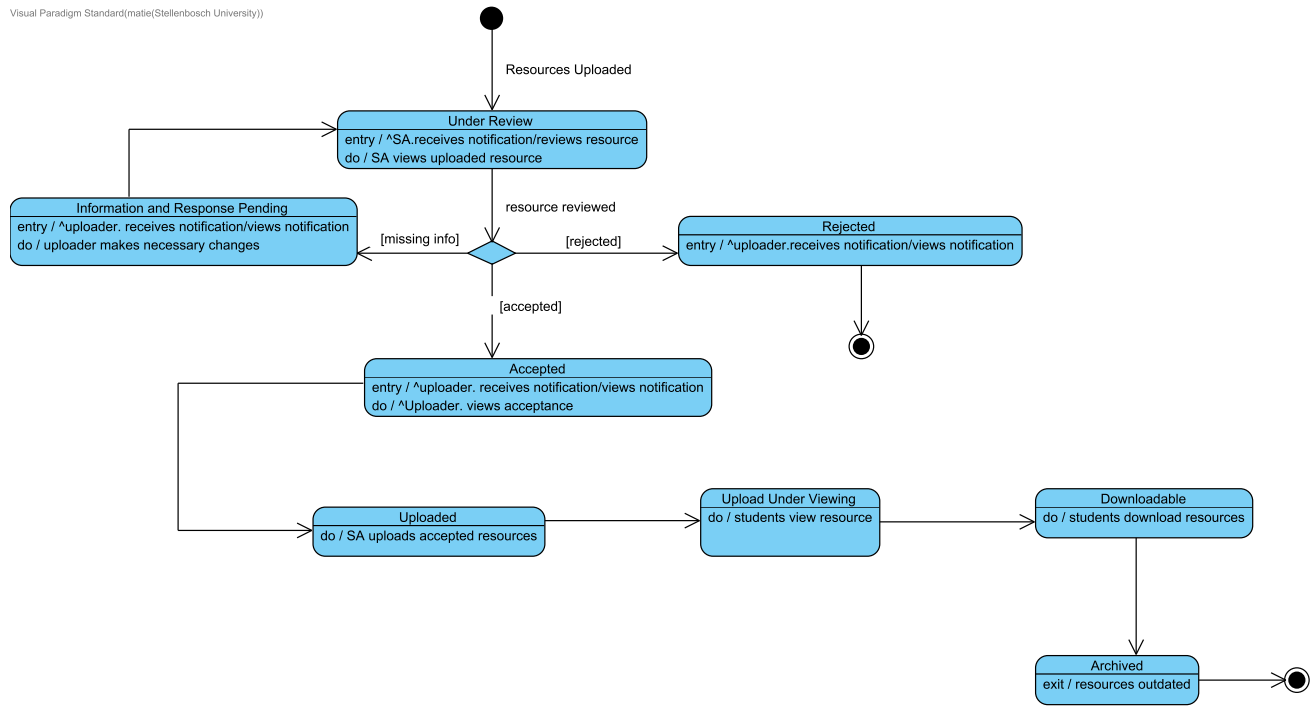
Visual Paradigm Standard(matie(Stellenbosch University))



5. State Machine Diagram

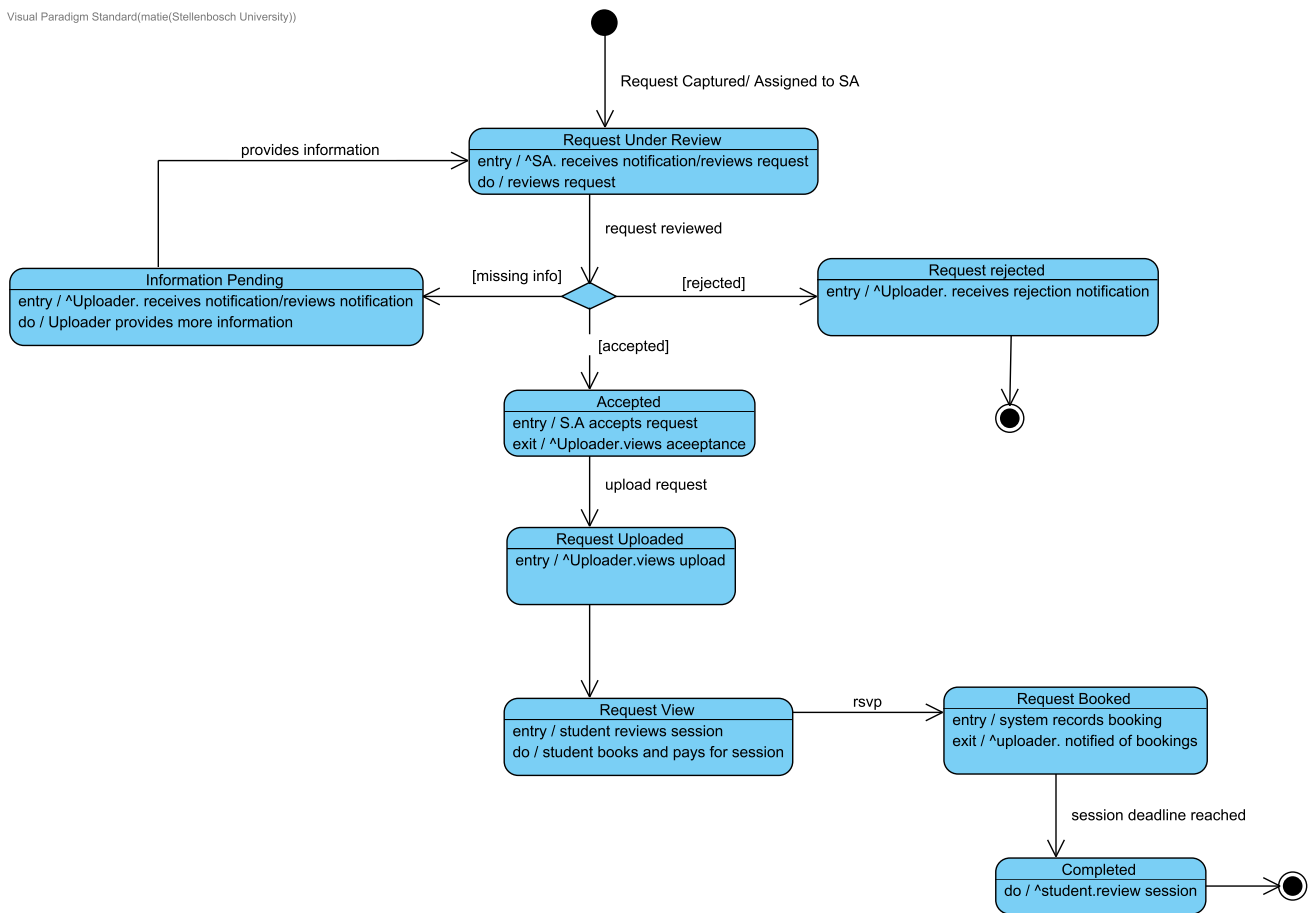
5.1. Uploading of Online Resources

Visual Paradigm Standard(matie(Stellenbosch University))



5.2. Tutoring Session

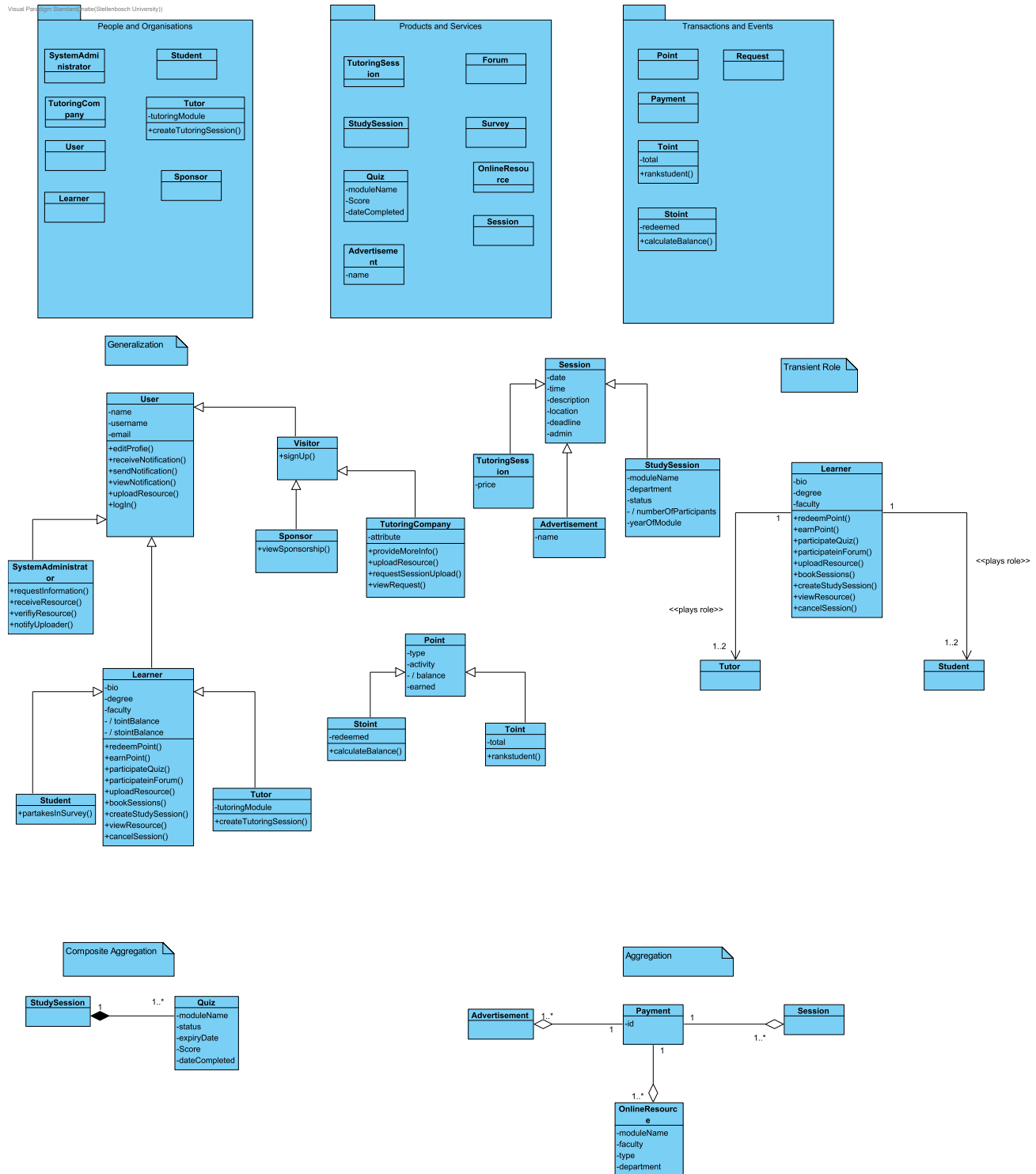
Visual Paradigm Standard(matie(Stellenbosch University))



6. Class Diagram

6.1. Class Diagram

Visual Paradigm (Stellenbosch University)



6.2. Class Diagram 2

Visual Paradigm Standard (m...
Association

