

Mandate 2

Conceptual Modelling and Workflows

-Anshul Gupta (IMT2014006)

-Nanduri Lakshmi Amrutha (IMT2014036)

-Nikunj Gupta (IMT2014037)

Objective: Working on the Conceptual Model and workflows of our application.

Aspects:

- 1) IP Asset creation
- 2) Managing Licensing
- 3) Approval of IP Asset request.

Entity Types:

- 1) **Participants:** It refers to all the people who visit the site. All have to login though.

Attributes:

- i) Participant ID: Primary key
- ii) Name
- iii) Email ID

- 2) **Stakeholder:** Any Website Participant can be a Stakeholder if he/she is owner of any IP Asset. (Specialization of Participants)

Attributes:

- i) Asset ID: ID of IP Asset which this Stakeholder holds
- ii) Asset Royalty: Royalty (percentage) of IP Asset which this Stakeholder gets.

- 3) **IIITBian:** If he is studying or teaching in IIITB. (Specialization of Stakeholder)

Attributes:

- i) Request ID: If a IIITBian requests a submission of a new IP Asset which he/she has created, then a request ID is generated for him/her.

- 4) **Faculty** (Specialization of IIITBians)

5) **Student** (Specialization of IIITBians)

Attributes:

- i) Roll number

6) **IP Committee**

Attributes:

- i) Committee ID
- ii) Committee Members

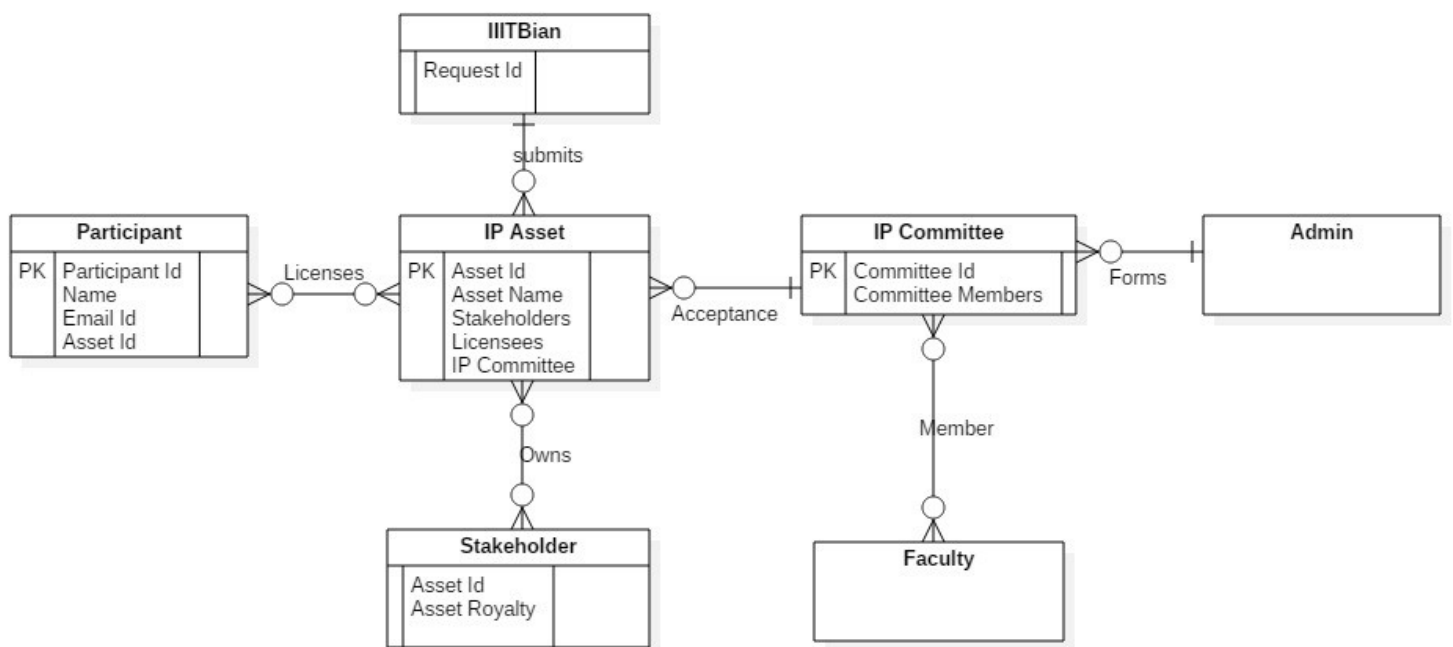
7) **Admin** (Specialization of Participants)

8) **IP Asset**: A new Intellectual Property created by a participant or a group of participant who is a IIITBian.

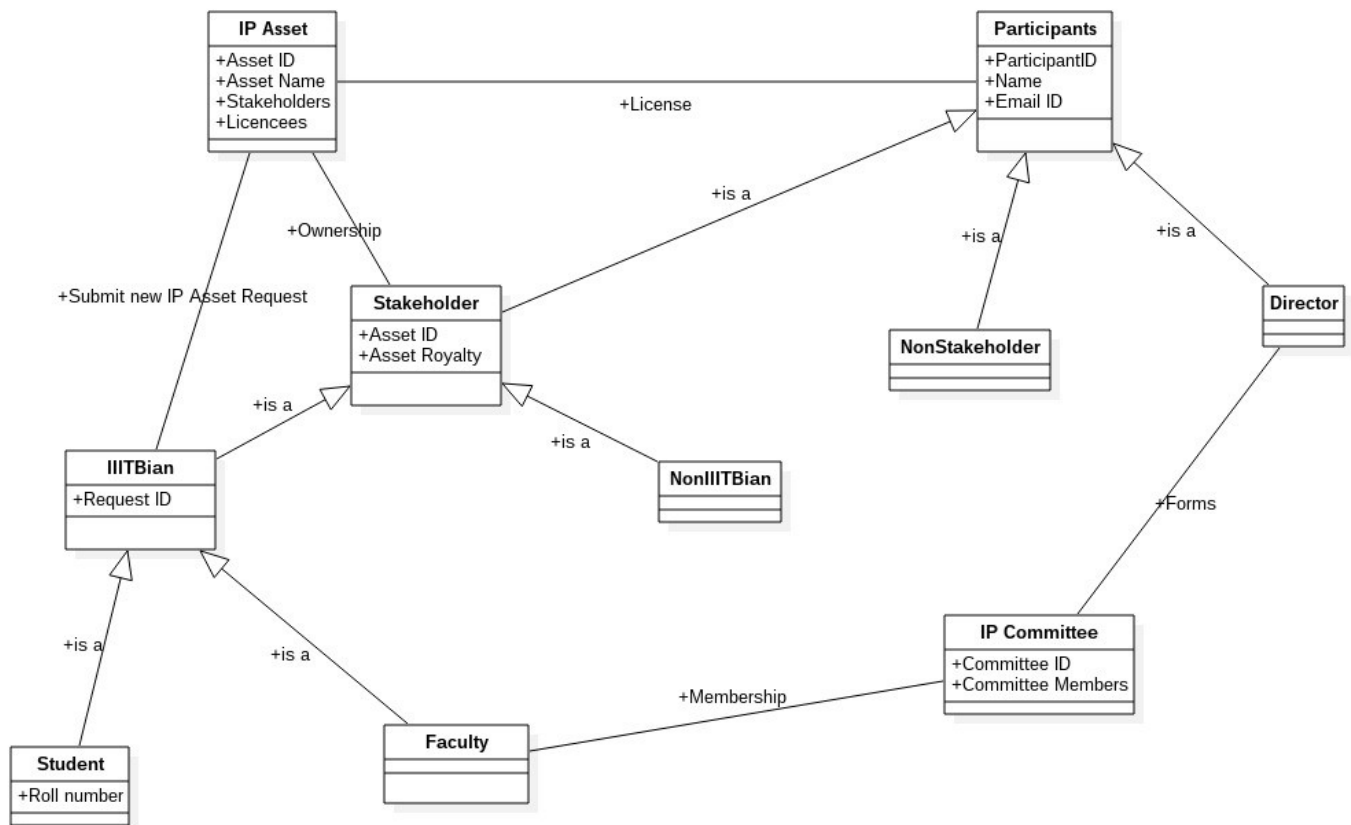
Attributes:

- i) Asset ID: Primary Key
- ii) Asset Royalty: Percentage
- iii) Stakeholders: All Stakeholders who own the IP Asset
- iv) Licensees (Users-SRS Terminology) : All users/licensees who have licensed the IP Asset.

Conceptual Model Diagram

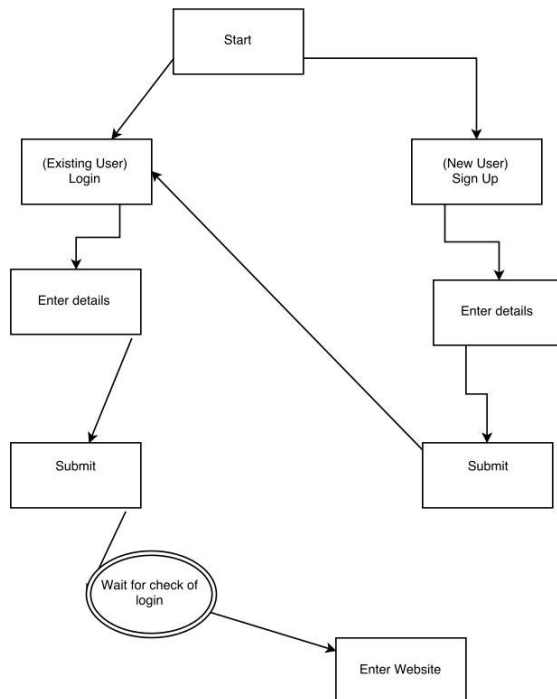


UML Diagram (To show the class Hierarchy)



Workflows

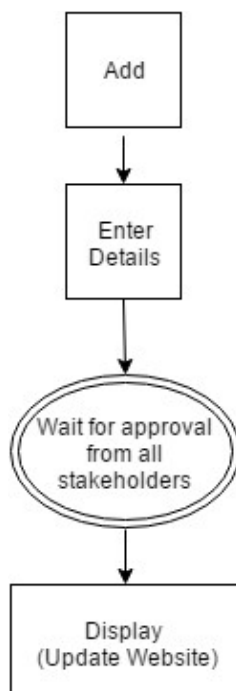
Login or Sign up



Actors/Roles:-Participants

Constraint:-Everybody has to sign up.

License an IP/Add license request

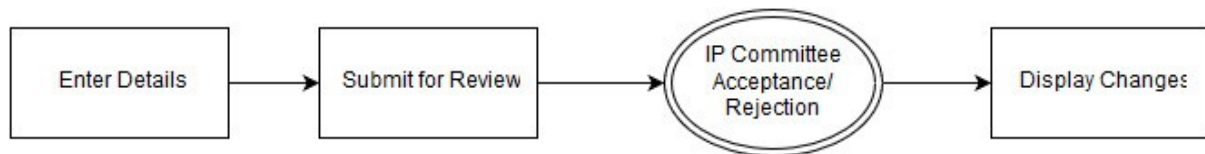


Actors/Roles:- licensee

Constraint:-

The licensee will upload the request and all stakeholders have to accept it.

Submit an IP for review

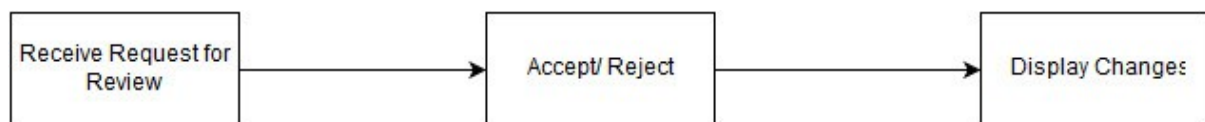


Actors/Roles:- IIITBian

Constraint:-

The IP Committee has to approve the IP request.

IP Committee Acceptance or Rejection

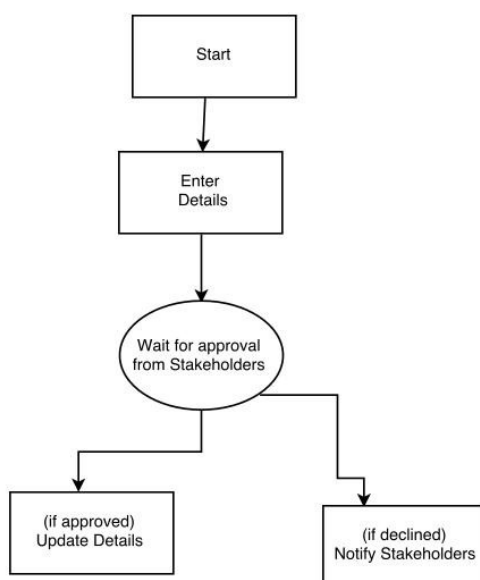


Actors/Roles:- IP Committee

Constraint:-

The IP committee must have atleast three members and everyone has to accept it.

Royalty

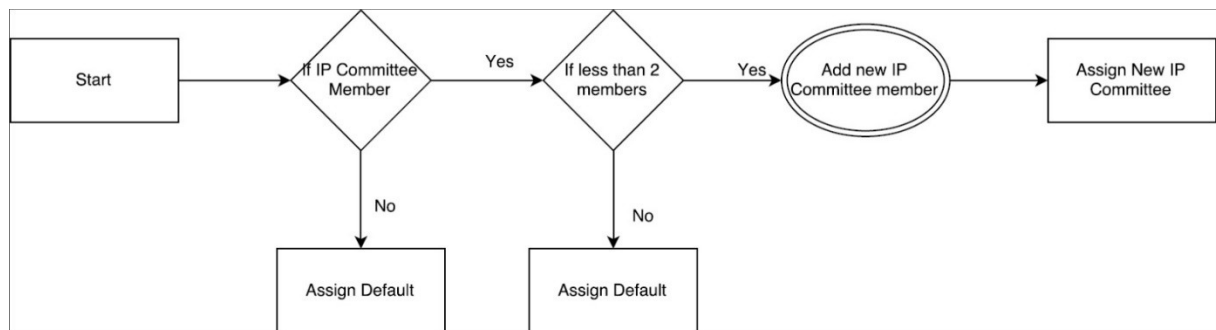


Actors/Roles:- Stakeholders

Constraint:

Updating of the royalty of an IP asset must be requested by one of the stakeholder and rest of the stakeholders must approve it.

Assign default or new IP committee member



Actors/Roles:- Admin (Director)

Constraint: The director must add a new member to IP committee only if the existing IP committee has less than 3 members

Add new IP committee member



Actors/Roles:- Admin (Director)

Constraint: Only the Director (Admin) can add a new IP Committee member and he will do so only when there are less than 3 members in the IP Committee.