

Identification and Classification of System Actors in OTV

Company Context

- ➔ This section shows the original case study text of OTV (Online Television). It explains the membership types, features, and rules of the system. This text forms the base foundation for identifying actors and their actions.

OTV (Online Television) is a company which delivers both paid and free online television broadcasting services to all TV fans. Members can watch both live and archived TV programs on OTV's website, anytime and anywhere.

There are two kinds of memberships - general and premium. It is free of charge for visitors to **register as a general member** to **watch any archived TV programs**. On the other hand, they can **register as a premium member** to **watch both archived and live programs**, for US \$30 per month. A **general member** can **upgrade himself to a premium member** anytime he wants to. However, **premium member** is not allowed to change himself back to a **general member**. Members can remove his/her account permanently by mailing us an account removal form.

Besides watching TV programs, premium members can share their opinions of the TV programs with each other, by **posting their opinion** under the video panel. Prizes will be given to the member who raises the most active discussion each month. Premium members will also **receive monthly newsletter**, which lists the recommended programs in the coming month.

In order to maintain the system, **administrators** should have the rights to **update the program schedule**, **update the program** as well as to **archive programs**. Administrator should also help to **monitor the delivery of newsletter** to premium members.

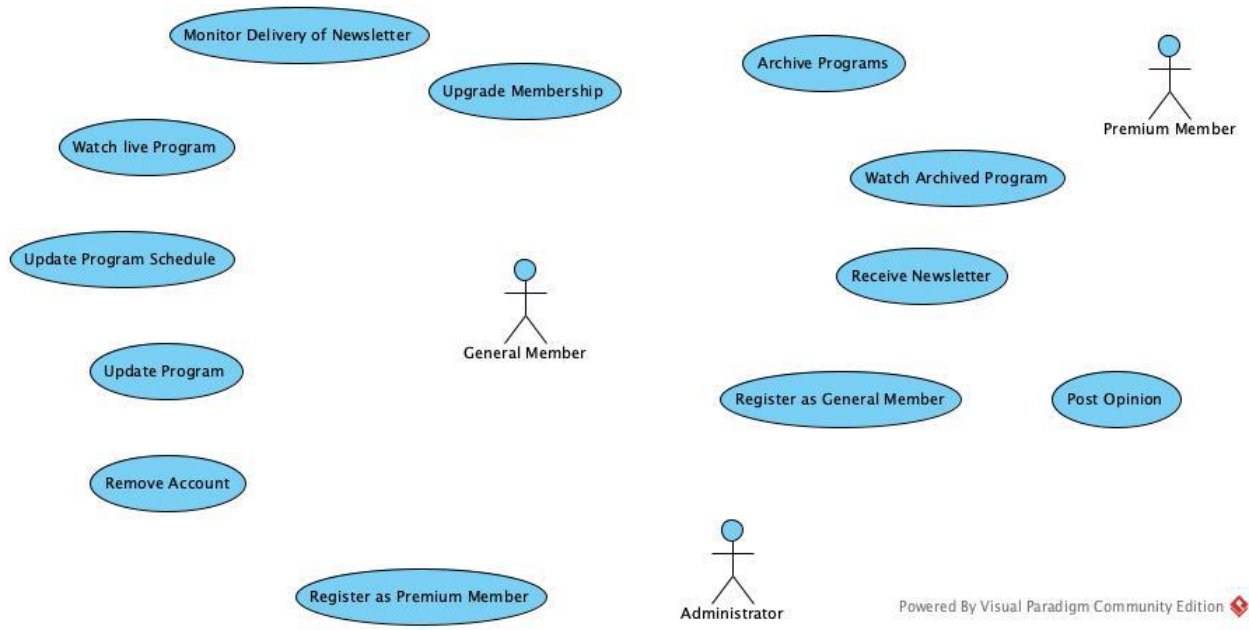
Actor Extraction

- ➔ Here I have extracted candidate actors such as General Member, Premium Member, and Administrator. From the given case text, I identified which users interact with the system. Only true system-interaction roles were kept as actors.

| No. | Candidate Class | Extracted Text | Type | Description | Occurrence | Highlight |
|-----|--------------------|---------------------|-------------|--|------------|-----------|
| 1 | Premium Member | premium member | Generate... | A premium member can watch both archived and live TV programs for US \$30 per month. | 1 | |
| 2 | General Member | general member | Generate... | A general member can only watch archived TV programs. In order to watch live programs, s/he should upgrade his/her membership | 2 | |
| 3 | Administrator | administrators | Generate... | Administrator has rights to update the TV programs schedule, update and archive TV programs. S/He is responsible for mentoring t | 1 | |
| 4 | Watch Archived P | watch any archived | Generate... | Members can watch the scheduled archived TV programs anytime. | 1 | |
| 5 | Register as Gen | register as a gener | Generate... | It is free of charge to register as a general member. | 1 | |
| 6 | Register as Premi | register as a premi | Generate... | No application fee is applied for registering as premium member. | 1 | |
| 7 | Watch live Progr | watch both archive | Generate... | Only premium members are allowed to watch live TV programs. | 1 | |
| 8 | Upgrade Member | upgrade himself to | Generate... | A general member can upgrade his/her membership to a premium member. | 1 | |
| 9 | Remove Account | remove his/her ac | Generate... | US\$50 of administrative fee is applied when premium members remove their account. | 1 | |
| 10 | Post Opinion | posting their opini | Generate... | Premium members can post their opinion regarding TV programs on OTV's official website. | 1 | |
| 11 | Receive Newsletter | receive monthly ne | Generate... | Premium members can subscribe monthly newsletter for US\$300 per annum. | 1 | |
| 12 | Update Program | update the program | Generate... | Administrartor keeps updating TV programs schedule fortnightly. | 1 | |
| 13 | Update Program | update the program | Generate... | Administrator keeps updating TV programs weekly | 1 | |
| 14 | Archive Programs | archive programs | Generate... | Administrator keeps archiving TV programs weekly | 1 | |
| 15 | Monitor Delivery | monitor the delive | Generate... | Administrator is responsible for monitoring the delivery of newsletter. | 1 | |

Rough Draft

- ➔ This image shows my early unstructured sketch of the data flow / relationships. It is not finalized and only represents the rough thinking phase. This step helped me visualize system movement before final organization.



Final Mapping

➔ This section shows the final clean mapping of each actor to their correct functions and classes.

Connections are now accurate, organized, and meaningful.

This represents the final refined result of the actor & class identification process.

