How to Derive Use Case Model from Glossary Terms?

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The glossary is a place to store key terms that appear in project. It is possible to derive use cases from terms, base on their definitions. In this tutorial, we will try to construct a use case model by using use cases created from terms in glossary.

1. Study the following article, which describe the operations of company OTV (Online Television).

   "The OTV (Online Television) is a company which delivers both paid and free online 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. Visitors can register as general member, which is free of charge, to watch any archived TV programs, or as premium member, charges US $30 per month, for watching both archived and live programs. A general member can upgrade himself to premium member anytime he want to. However, premium member is not allowed to change himself back to a general member, unless he remove his account permanently by mailing us the account removal form.

   Besides watching TV programs, premium members can share their thoughts with each other, about the programs, by posting their opinion under the video panel as a discussion topic. Prizes will be given to the member who raised the most active discussion each month. Premium members will also receive monthly newsletters, 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 program. Administrator should also help to monitor the delivery of newsletter to premium members."

2. Download OTV.vpp and open it in Visual Paradigm. You can open a file by selecting Project > Open from the application toolbar.
3. Open **Textual Analysis** and take a look. The problem description was written in it.

![Textual Analysis](https://www.visual-paradigm.com/tutorials/usecasemodelfromglossary.jsp)

4. The words highlighted in blue are terms add into glossary before. Let's open the Glossary Grid to take a look. Select **Modeling > Glossary > Glossary Grid** from the application toolbar.

5. Read through the glossary grid, which lists the important terms collected from textual analysis.

![Glossary Grid](https://www.visual-paradigm.com/tutorials/usecasemodelfromglossary.jsp)

6. We need to identify use cases base on the terms. Let's try with the term **general member**. Right-click on it and select **Transit to New Use Case** from the popup menu.

![Transit to New Use Case](https://www.visual-paradigm.com/tutorials/usecasemodelfromglossary.jsp)
7. On the right hand side of the **Transit Model Element** window, click on ... next to **Parent Model** field. We are going to select a parent for placing the use case.

![Transit Model Element Window](image)

8. In the **Select Parent Model** window, select the project root node.

![Select Parent Model Window](image)

9. Click on **New Model**.

10. Enter **Use Case Model** as model name and click **OK**.

![Model Specification Window](image)

11. Click **OK** in the **Select Parent Model** window to confirm your selection.
12. Change the name of use case from general member to Register as general member to match the naming convention of use case.

13. Click OK to proceed.

14. In the Visualize Model Element window, keep Create new diagram selected, and rename diagram to OTV Use Case Diagram.
15. Click **Create** to continue. You should see a new use case diagram being created, with the case **Register as general member** appear in it.

![Use case diagram](image)

16. Press on **Ctrl + Tab** to go back to the glossary grid.

17. Repeat the above steps to transit other terms as use cases.

<table>
<thead>
<tr>
<th>Term</th>
<th>Identified Use Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>archived TV programs</td>
<td>Watch archived program</td>
</tr>
<tr>
<td>premium member</td>
<td>Register as premium member</td>
</tr>
<tr>
<td>discussion topic</td>
<td>Post discussion</td>
</tr>
<tr>
<td>monthly newsletters</td>
<td>Issue monthly newsletters</td>
</tr>
<tr>
<td>program schedule</td>
<td>Update program schedule</td>
</tr>
<tr>
<td>archive programs</td>
<td>Archive programs</td>
</tr>
<tr>
<td>live programs</td>
<td>Watch live program</td>
</tr>
</tbody>
</table>

But note that we need to visualize the use cases to the "existing" use case diagram created before.
18. When finished, the following use cases are obtained.
19. Create actors **Visitor, General Member, Premium Member, Administrator**.

20. Connect the actors with use cases as shown below.
21. Tidy up the diagram to make it look better.

Resources
1. OTV.vpp

Related Links
• Full set of UML tools and UML diagrams