



## How to Use Duration Constraint in Sequence Diagram?

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1. Download [Online Book Store.vpp](#). You can also find this file at the bottom of this tutorial.
2. Open the downloaded .vpp file in Visual Paradigm. To open a project, select **Project > Open** from the application toolbar.
3. Let's take the following [UML sequence diagram](#) as an example:
4. Assume you need to specify the time limit between the *Browse* message and the *Book List* message. You therefore have to add a duration constraint between them. Move the mouse over the *Browse* message and click the **Duration Constraint** button.
5. Drag it from the *Browse* message to the *Book List* message and then release the mouse.
6. Enter the constraint detail inside the caption. For example, it should take more than 3 seconds but less than 5 minutes. You can enter `> 3s & < 5mins`.
7. The duration constraint between the *Browse* message and the *Book List* message is shown below:
8. On the other hand, you can add a duration constraint not only between two messages, but also on the message itself. Let's try to add a duration constraint on the *Query* message. Move the mouse over the *Query* message and click the **Duration Constraint** button.

9. Assume it should take less than 10 seconds. Enter < 10s inside the caption.

10. The duration constraint for the *Query* message is shown below:

#### Resources

1. [Online Book Store.vpp](#)

#### Related Links

- [Full set of UML tools and UML diagrams](#)



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(<https://www.visual-paradigm.com/>)

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