

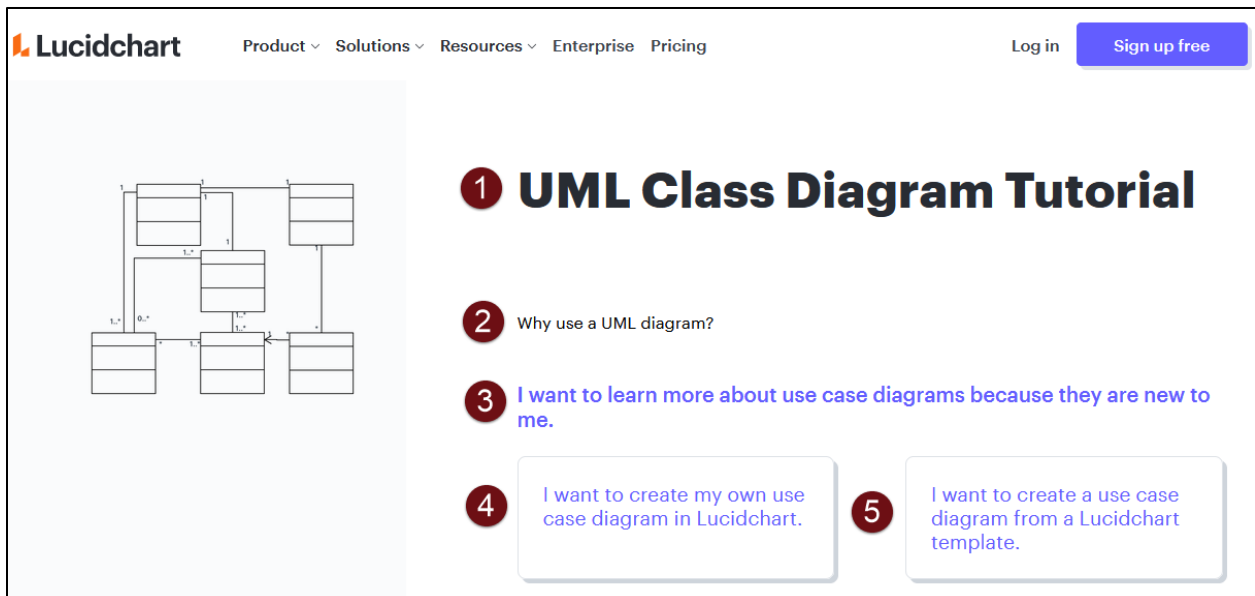
Lucidchart Tutorial for Creating Class Diagrams

Note: Variations in images may occur as the Lucidchart website changes.

Follow the instructions in this tutorial to create an account with Lucidchart and begin creating class diagrams.

1. Go to the Lucidchart [UML Class Diagram Tutorial](#). Review this page to become familiar with UML Diagrams.
 - a. If you do not have an account, please continue.
 - b. If you do have an account, please go to step 5.
2. Lucidchart will prompt you to select an option based on your experience level with creating diagrams and your project needs. Select the appropriate option under “I want to learn more about use case diagrams because they are new to me.”


Note: If you already have a Lucidchart account and try to access the UML Diagram page from here, you will be prompted to switch to a paid account.



1 UML Class Diagram Tutorial





- 2 Why use a UML diagram?
- 3 I want to learn more about use case diagrams because they are new to me.
- 4 I want to create my own use case diagram in Lucidchart.
- 5 I want to create a use case diagram from a Lucidchart template.

- Click on the **Continue with Free** button .


[Contact Sales](#)

Step 1 of 3
Choose your plan

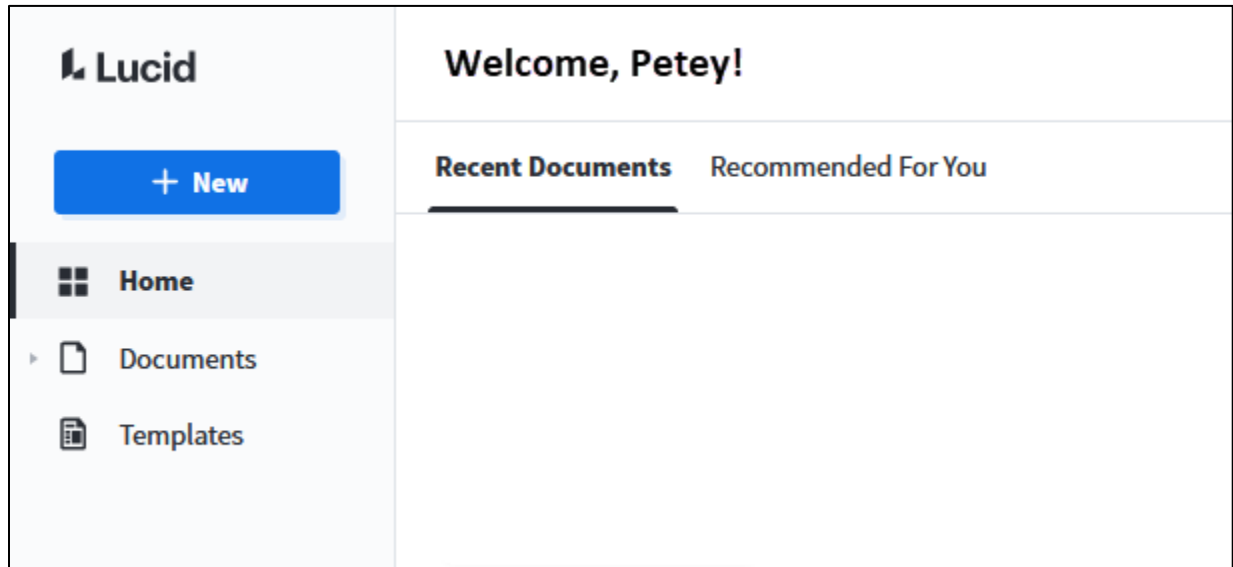
	Free	Individual	Team	Enterprise
Price per month	\$0	Starting at \$7.95	Starting at \$9.00 per user 3 user minimum	Contact us for a quote!
Editable documents	3	Unlimited	Unlimited	Unlimited
Professional templates	100	1000+	1000+	1000+
Collaboration	Basic	Basic	Advanced	Advanced
Integrations	Basic	Basic	Advanced	Advanced
Security	✓	✓	✓	✓
Easy admin controls			Basic	Advanced
Advanced data and automation				✓
SSO				✓

99% of the Fortune 500 choose Lucidchart





Continue with Free

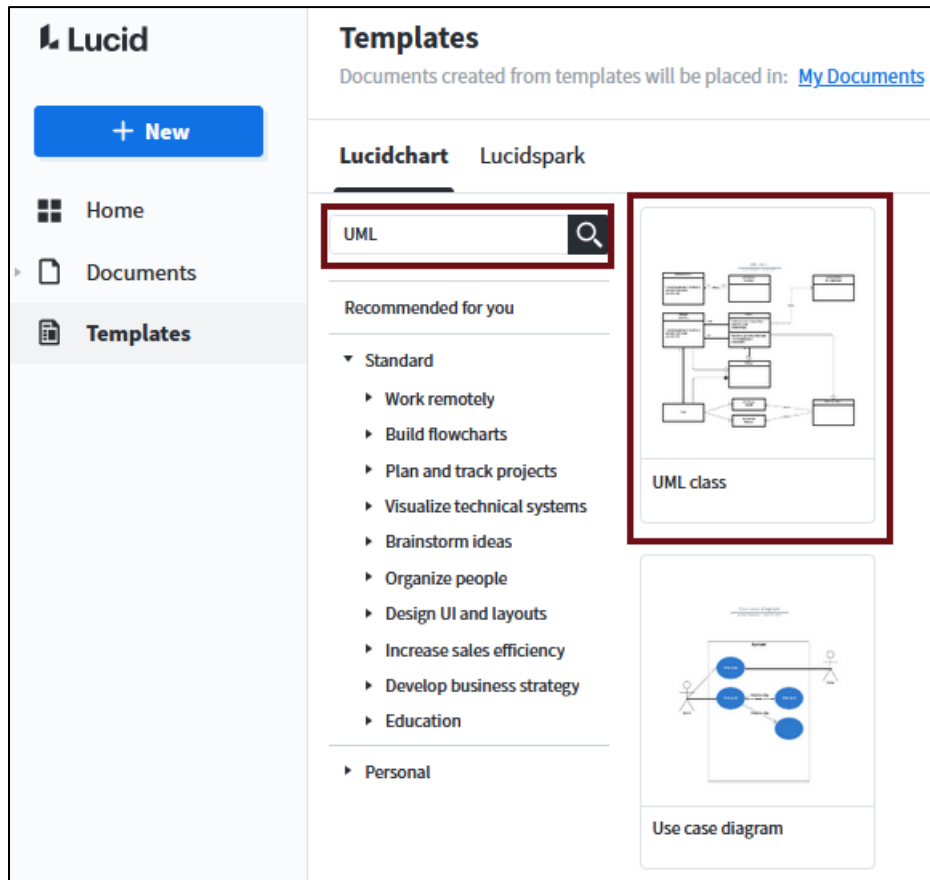
- Enter your **full name**, your **SNHU email**, and a **password**. Then, click **Create Account**.

5. This will bring you to the homepage of your account.
 - a. If you already have an account you can access your homepage by going to <https://lucid.app/users/login#/login> and signing in.



6. Select **Templates** on the left side of the page to access the template list.
7. There are two methods to find the template you need for this assignment.

- a. Using the **Search templates...** bar, type in UML and click the magnifying glass. Scroll down until you see the UML Class template.



The screenshot shows the Lucid Templates interface. On the left is a sidebar with the Lucid logo, a '+ New' button, and navigation links for Home, Documents, and Templates. The main area is titled 'Templates' and includes a note that documents created from templates will be placed in 'My Documents'. Below this, there are tabs for 'Lucidchart' and 'Lucidspark'. A search bar at the top of the main area contains the text 'UML' and a magnifying glass icon. To the right of the search bar, a red box highlights a preview of a 'UML class' diagram. Below the search bar, a section titled 'Recommended for you' lists various use cases under 'Standard' and 'Personal' categories. Another red box highlights a preview of a 'Use case diagram' below the recommendations.

Lucid

+ New

Home

Documents

Templates

Templates

Documents created from templates will be placed in: [My Documents](#)

Lucidchart Lucidspark

UML

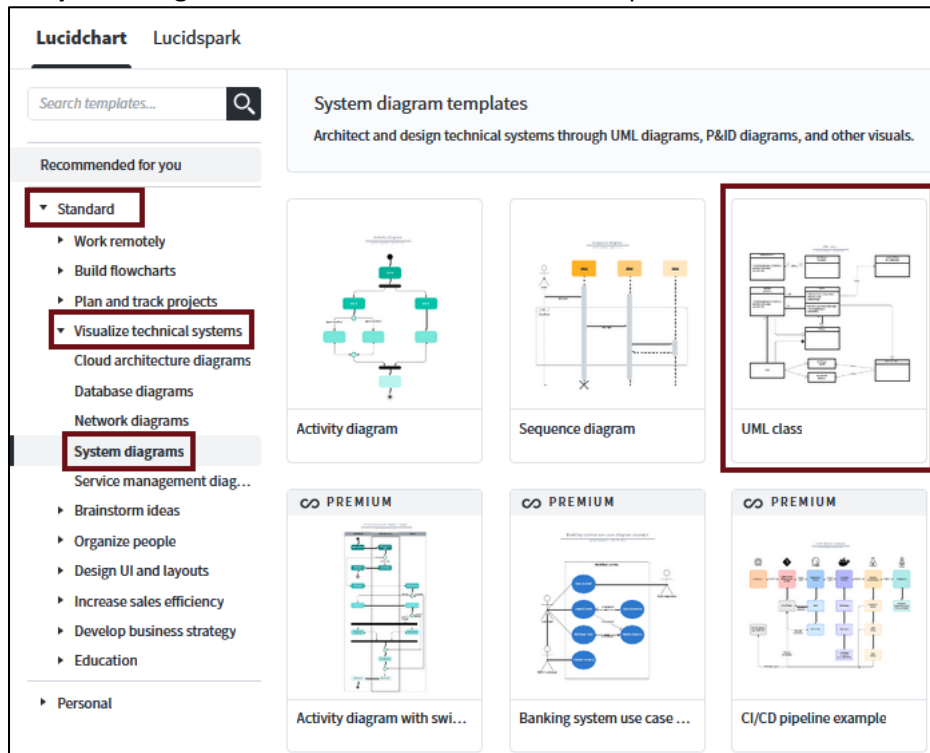
Recommended for you

- ▼ Standard
 - ▶ Work remotely
 - ▶ Build flowcharts
 - ▶ Plan and track projects
 - ▶ Visualize technical systems
 - ▶ Brainstorm ideas
 - ▶ Organize people
 - ▶ Design UI and layouts
 - ▶ Increase sales efficiency
 - ▶ Develop business strategy
 - ▶ Education
- ▶ Personal

UML class

Use case diagram

- b. Using the **drop down menu** follow the path: **Standard** > **Visualize technical systems** > **System diagrams**. Then select the UML Class template.



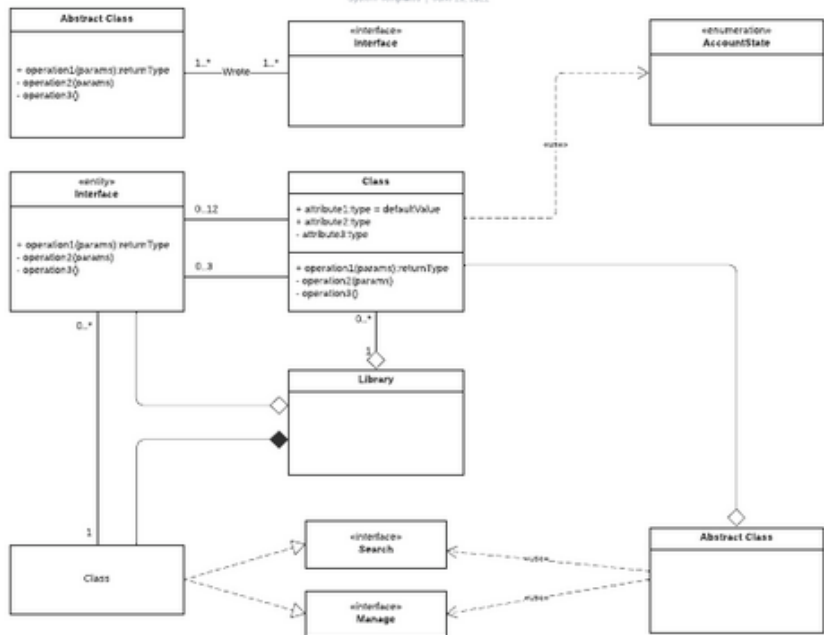
The screenshot shows the Lucidchart web application interface. On the left, a sidebar menu is visible with a search bar at the top. The menu is organized into sections: 'Recommended for you' and 'Personal'. Under 'Recommended for you', there is a dropdown menu currently set to 'Standard'. Below this, several categories are listed with expandable arrows: 'Work remotely', 'Build flowcharts', 'Plan and track projects', 'Visualize technical systems' (which is expanded), 'Cloud architecture diagrams', 'Database diagrams', 'Network diagrams', 'System diagrams' (which is highlighted with a red box), and 'Service management diag...'. Under the 'Visualize technical systems' category, 'UML class' is listed. The main content area is titled 'System diagram templates' and contains a grid of six template cards. The first row includes 'Activity diagram', 'Sequence diagram', and 'UML class' (which is highlighted with a red box). The second row includes 'Activity diagram with swi...', 'Banking system use case ...', and 'CI/CD pipeline example'. Each card shows a preview of the diagram and a 'PREMIUM' label in the bottom left corner.

8.

9. Once you have selected your template, click the **Use Template** button.

UML Class

System Templates | June 28, 2021



The diagram shows a collection of UML class shapes and their relationships. It includes an 'Abstract Class' with three operations, an 'Interface' with three operations, an 'Enumeration' named 'AccountState', a 'Class' with three attributes and three operations, a 'Library' class, and two more interfaces 'Search' and 'Manage'. Relationships include 'Write' between an Abstract Class and an Interface, 'uses' between a Class and an Enumeration, '0..12' and '0..3' associations between an Interface and a Class, '0..*' and '1' associations between an Interface and a Class, '1' and '0..*' associations between a Class and a Library, and 'uses' relationships between an Abstract Class and two interfaces.

UML

UML class

Description:

This UML class diagram template can help you:

- Model your system's classes, attributes, operations, and relationships between objectives.
- Collaborate with colleagues to map your system's structure.
- Access the UML class shape library.

[↓ Show more](#)

Use Template

10. A description with instructions, as well as a link to watch basic tutorials, will appear on the right side of the screen. Use these instructions to support the creation of your diagram.

Learn about this template

UML class diagrams map out the structure of a particular system by modeling its classes, attributes, operations, and relationships between objects.

To customize this template:

- Click on any shape and type the information you would like to include.
- Add and arrange class shapes as needed.
- Update cardinality.
 - Click on a line and navigate to the properties bar to adjust the endpoints.
 - Click on a line and hover over the gear icon to add multiplicities.
 - Add additional lines by hovering over a shape and clicking the red dot

UML Class Diagram Tutorials

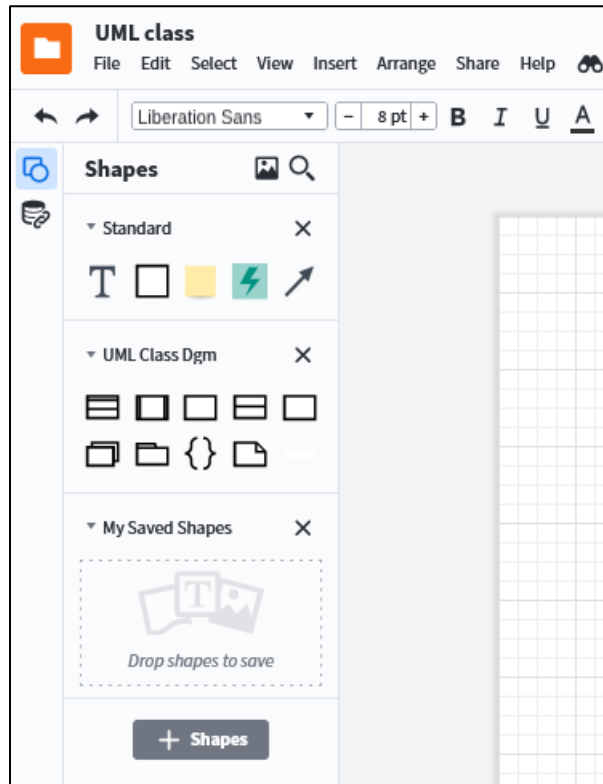
(Hold Shift + ⌘ or Ctrl, then click)

[Watch a UML class diagram tutorial](#)

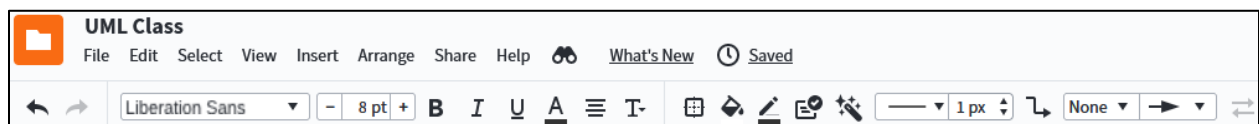
[Read about UML class diagrams](#)

[Watch Lucidchart basic tutorials](#)

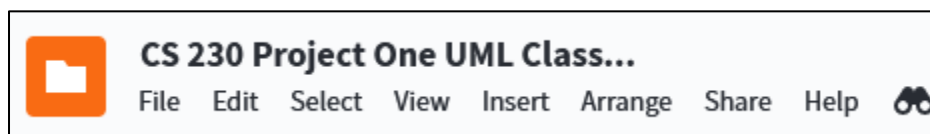
11. There are several features you may use to create a class diagram in the shapes panel. Click and drag the shape you need to place it in the frame. Some shapes may already be loaded in the template.



12. To edit the text in the shape(s), double click and type the appropriate text.
13. You may also add text and lines to complete your diagram. Click and drag from the Shapes panel to add text and lines. You can format the text and lines using the options in the top panel.



14. To name your diagram, click on **Blank UML** and type an appropriate title for the diagram. This will automatically change the title within the frame.



15. To save the diagram, click **File**, then **Save**.
16. To download the diagram, click **File**, then **Download As**. It is recommended that you download your diagram as a PDF, PNG with transparent background, or JPEG.

