

SysModeler.ai User Manual

Introduction

SysModeler.ai is an AI-powered next-generation modeling tool that accelerates the development of safety-critical systems. It supports the automatic generation of all 9 SysML diagrams (Activity diagram, Block definition diagram, Internal block diagram, Package diagram, Parametric diagram, Requirements diagram, Sequence diagram, State machine diagram, Use case diagram), enabling faster and compliant delivery of complex systems to market.

Getting Started

1. Creating an Account

- Visit <https://sysmodeler.ai>
- Click the **Login** button.
- You can:
 - **Log in with Google** (no verification needed), or
 - **Sign up manually** by entering your name, email, and password.
- After signing up, a **verification email** will be sent.
- **Click the verification link** to activate your account. Without verification, key features like diagram creation will be inaccessible.

2. Logging In

- Go to <https://sysmodeler.ai>
- Click the **Login** button.
- Enter your credentials and press **Enter**.

3. Workspace Dashboard

After successful login, you'll be redirected to **workspace.sysmodeler.ai**. The dashboard includes:

- **Left Pane Options:**
 - **All Projects**
 - **Overview** (used/remaining credits, number of generated diagrams, projects)
 - **Starred** and **Shared** Projects
 - **Trash** (recover or permanently delete projects; includes mass delete)
 - **Manage (Enterprise Admins):** Manage team members and view statistics
 - **Main Dashboard View:** Shows recently created projects.
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Project Creation

Create with AI Dashboard

The **Create with AI** feature allows users to quickly generate complete SysML diagrams using natural language, code snippets, or voice commands.

How to Use

1. Click the **Create with AI** button on your dashboard.
2. In the creation window:
 - **Enter a Project Name** to organize your diagrams.
 - **Select Diagram Types:** Choose one or more from the 9 supported SysML diagrams.
 - **Provide Input** using one or more of the following:
 - **Text:** Describe your system or requirements in plain language.
 - **Code:** Paste code snippets (20+ programming languages supported).
 - **Voice:** Speak your system description (real-time transcription supported).
3. **Choose an AI Model** (Pro users only):
 - Select between different AI models (e.g., OpenAI, Gemini) to influence output quality and style.
4. **Click Submit:**
 - The system will analyze your input and automatically generate the selected diagrams.
5. Once complete, you'll be automatically redirected to the **Canvas** to review and edit your diagrams.

Tip: You can mix multiple input types (e.g., text + code) for better contextual accuracy and richer diagrams.

Canvas Overview

The **Canvas** is the heart of SysModeler.ai, where you interactively build, modify, and explore system models. Once diagrams are generated (manually or via AI), you are redirected here to visualize and refine them. The interface is divided into several functional zones:

Canvas Layout

- **Center Area (Drawing Surface):**
 - This is the primary space where your diagrams are created and edited.
 - You can **drag and drop components, connect them** and **rearrange** elements freely.
 - Supports zooming, panning and grid alignment for precision layout.
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Left Panel

- **Diagrams:**
 - **Switch between diagrams** by clicking the names
 - **Headings** denote diagram type (Activity, Sequence, etc.)
 - Great for multitasking and navigating large modeling projects.
- **Shape Palette:**
 - Organized by SysML diagram type (e.g., Activity, Block, Use Case, etc.).
 - Common shapes include: **Block, Actor, State, Requirement, Connector** etc.
- **Drag & Drop:**
 - To add an element, **drag it from the palette** and drop it onto the canvas.
- **Shape Interactions:**
 - **Right-click a shape** to access context actions:
 - * Cut / Copy / Paste / Duplicate / Delete
 - * **Edit:** Rename the shape, assign attributes or change its type
- **Connectors:**
 - Hover over a shape to reveal **connection endpoints**
 - Drag from one endpoint to another to establish links like:
 - * Control flows
 - * Dependencies
 - * Associations
 - After placing a connector, right-click to:
 - * Rename
 - * Change line style (solid, dashed)
 - * Set directionality (one-way, bidirectional) or reverse its direction
- **AI Assistant**
 - It is a chatbot which can answer questions regarding the usage of this website and also SysML regarding topics.
- **Bug Report**
 - User can report regarding the bugs they faced during any step.

This whole panel is collapsible, so if the user requires more canvas area, they can just collapse this panel.

Top Navigation Bar

- **File Menu:**
 - You can create new project / diagram
 - Open recent or saved projects
 - Save changes
 - Import/export diagram (e.g., PNG, SVG, PDF)
 - Share / Star / Trash options for project lifecycle management
 - **Edit Menu:**
 - Undo / Redo actions
 - Cut / Copy / Paste/ Duplicate/ Delete for selected elements
 - **Select Menu:**
 - Select all nodes
 - Select all connections
 - Deselect all
 - **View Menu:**
 - User can zoom in / out / fit to view the diagram
 - **Arrange Menu:**
 - Bring to front / Send to back selected shapes/connections.
 - Group / Ungroup shapes for doing same operation on a number of component
 - Auto-layout: Rearrange cluttered diagrams for better visualization
 - **Help Menu:**
 - Access in-app tutorial
 - Navigate to **AI for MBSE** documentation and video guides
 - User can report regarding the bugs they faced during any step.
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Footer Controls

- Found at the bottom of the canvas area:
 - **Add New Diagram:** Instantly creates a new blank diagram
 - **Rename Diagram:** Click to update diagram title
 - **Duplicate Diagram:** Clone a current diagram for variations
 - **Close Diagram:** Remove it from view without deleting
 - **Zoom Slider:** A horizontal slider to control zoom percentage visually
 - **Snap to Grid:** Ensures elements align perfectly
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Common Tasks

Viewing Profile

- Click on your avatar (top right corner)
- Select **View Profile** to see your user information

Changing Password

- Click **Security** in the left menu
- Enter:
 - Current password
 - New password
 - Confirm new password
- Click **Update Password**

Deleting Account

- Located below the change password section
 - Once deleted, **your account and data cannot be recovered**
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Billing & Plans

Here you will be able to see your current plan and get overview of other plans. You can click to upgrade which will take you to the payment gateway.

- **Free Plan** (default):
 - Use Gemini models
 - Limited project and diagram generation
 - **Pro Plan:**
 - \$19.99/month
 - Includes **X credits/month**
 - Access to OpenAI and Gemini paid models
 - **Enterprise Plan:**
 - For organizations with multiple members
 - Request via **Contact Enterprise** on homepage
 - Fill out form → Our team will reach out after review
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FAQs

Q: Is my data secure?

A: Yes. We prioritize your data privacy and never share personal data with third parties. Your data is only used internally to improve SysModeler's performance and accuracy.

Q: Do you offer cloud-agnostic deployment?

A: Yes. This feature is available via the **enterprise-tier**. We can deploy on your preferred infrastructure or cloud provider.

Q: Do you keep track of model requirements?

A: Requirement modeling is a **planned upcoming feature**. It will allow you to trace requirement impact and detect unmet dependencies automatically.

Contact Support

- **Email:** info@sysmodeler.ai
 - **Chat:** Use the chatbot inside the **workspace**
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