

HCMC UNIVERSITY OF SCIENCE – VNUHCM
FACULTY OF INFORMATION TECHNOLOGY



Pic2Model

User Interface (UI) Prototype

Introduction to Software Engineering

Group01 – Class 22CLC02

Ho Chi Minh City, 11-2024

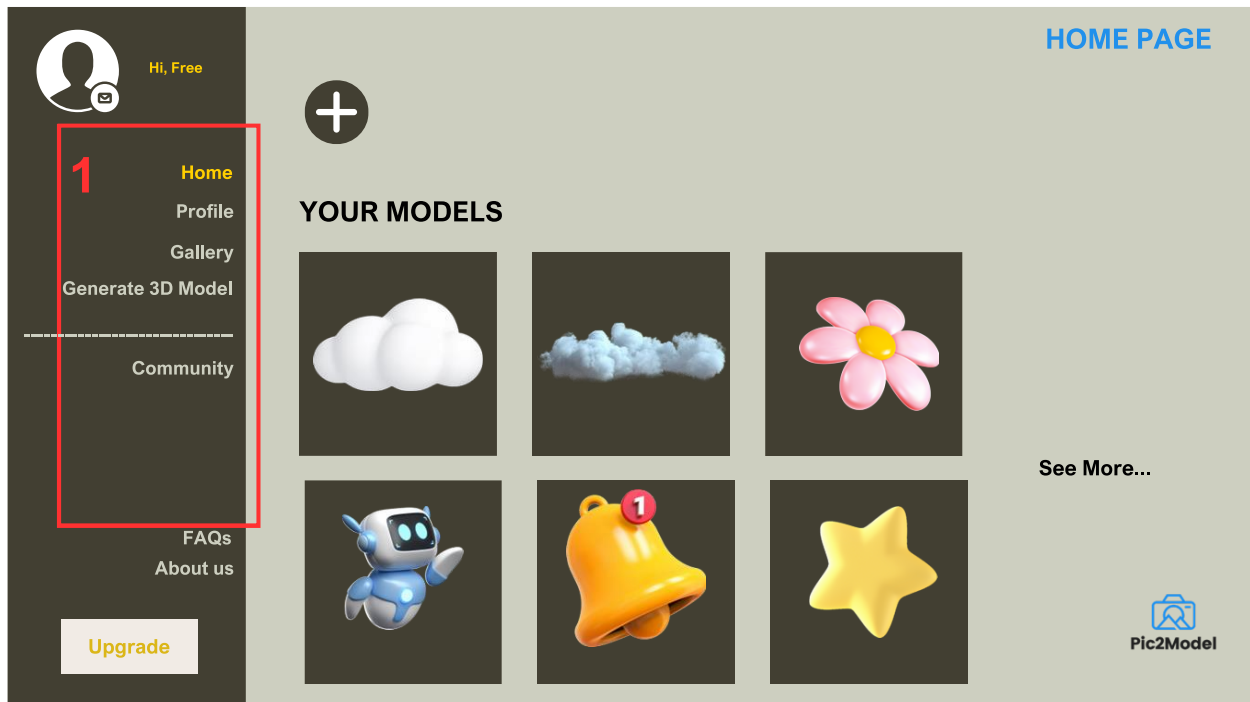
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1. User UI

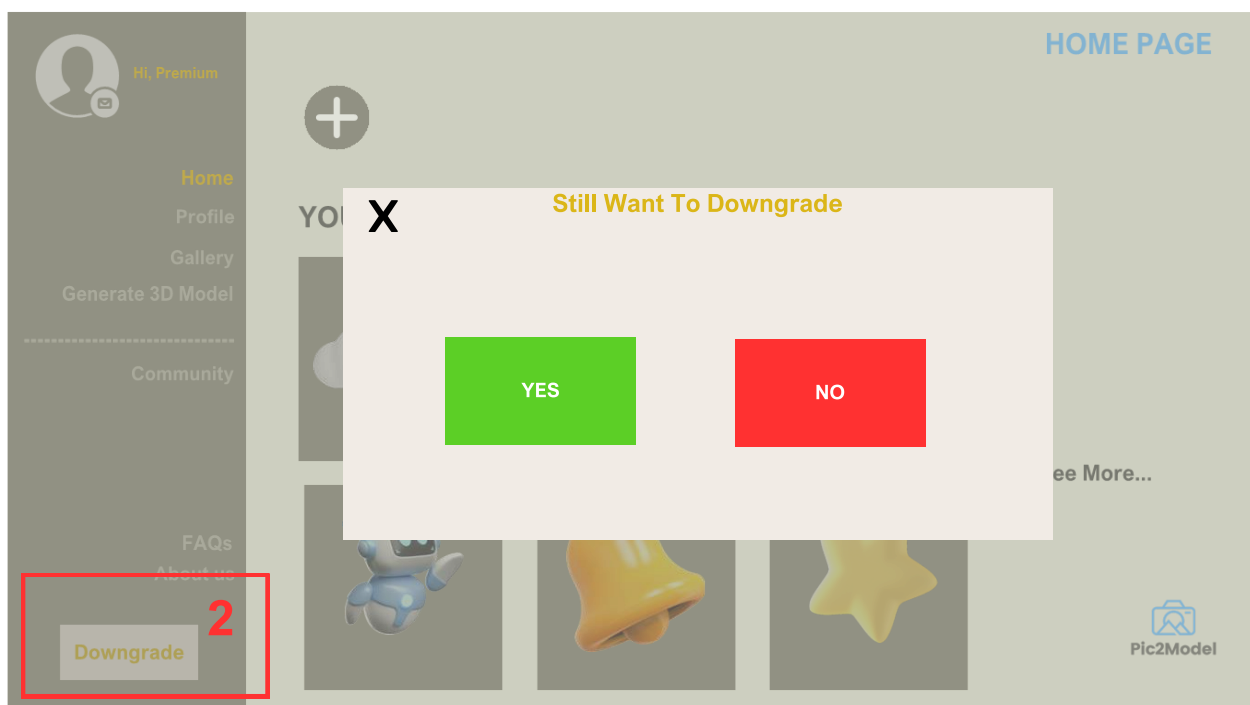
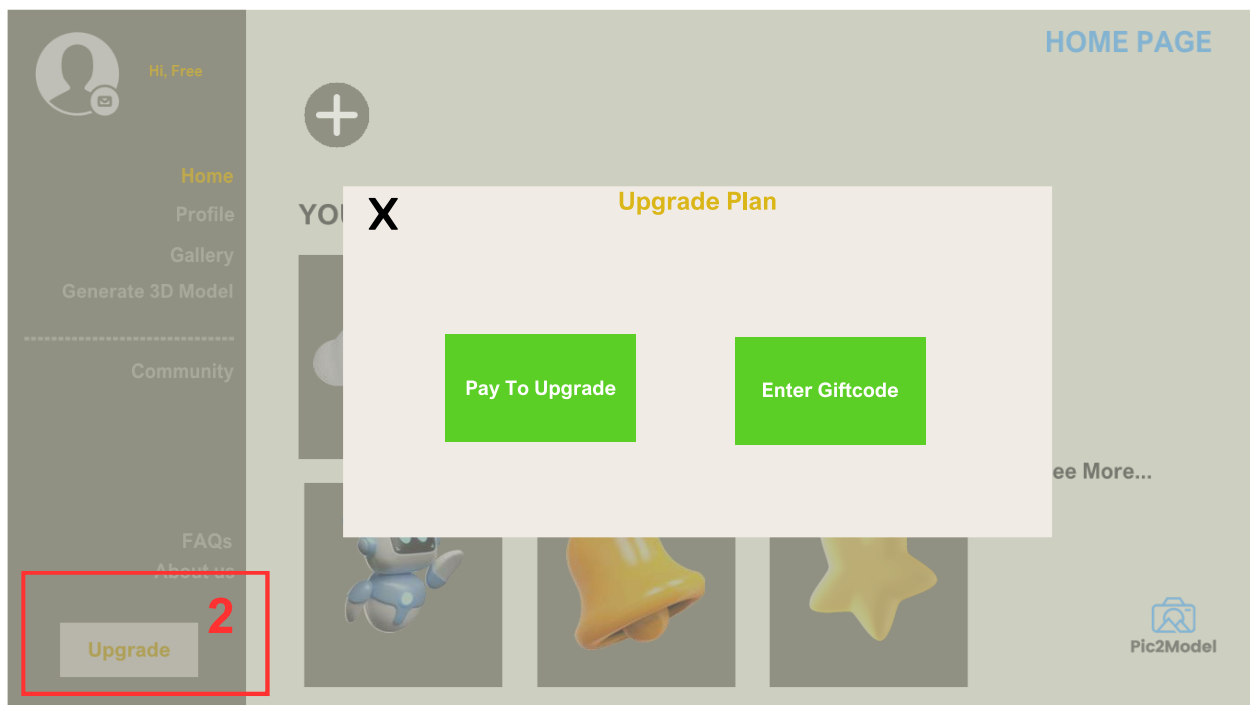
1.1. Nav Bar

1. Direct to different pages.



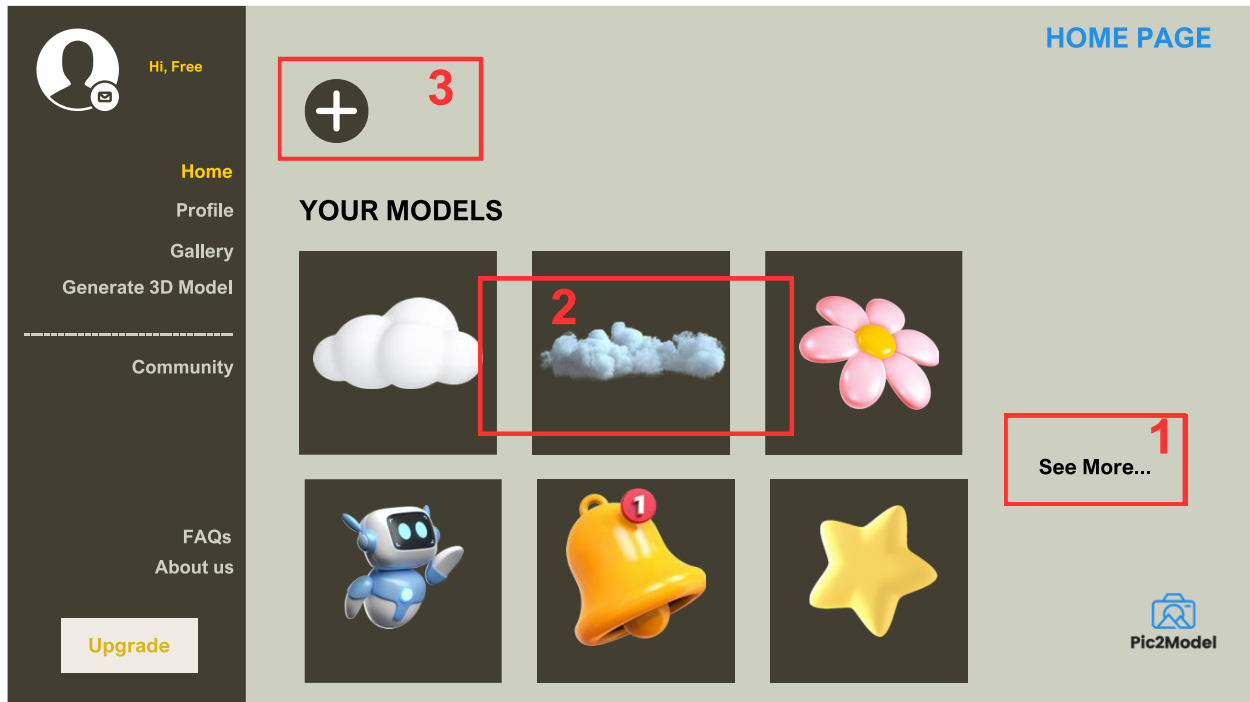
2. Upgrade – Downgrade.

- Free User can upgrade their account to become a Premium User.
- Premium User can downgrade their account to turn back into a Free User.



1.2. Main Page

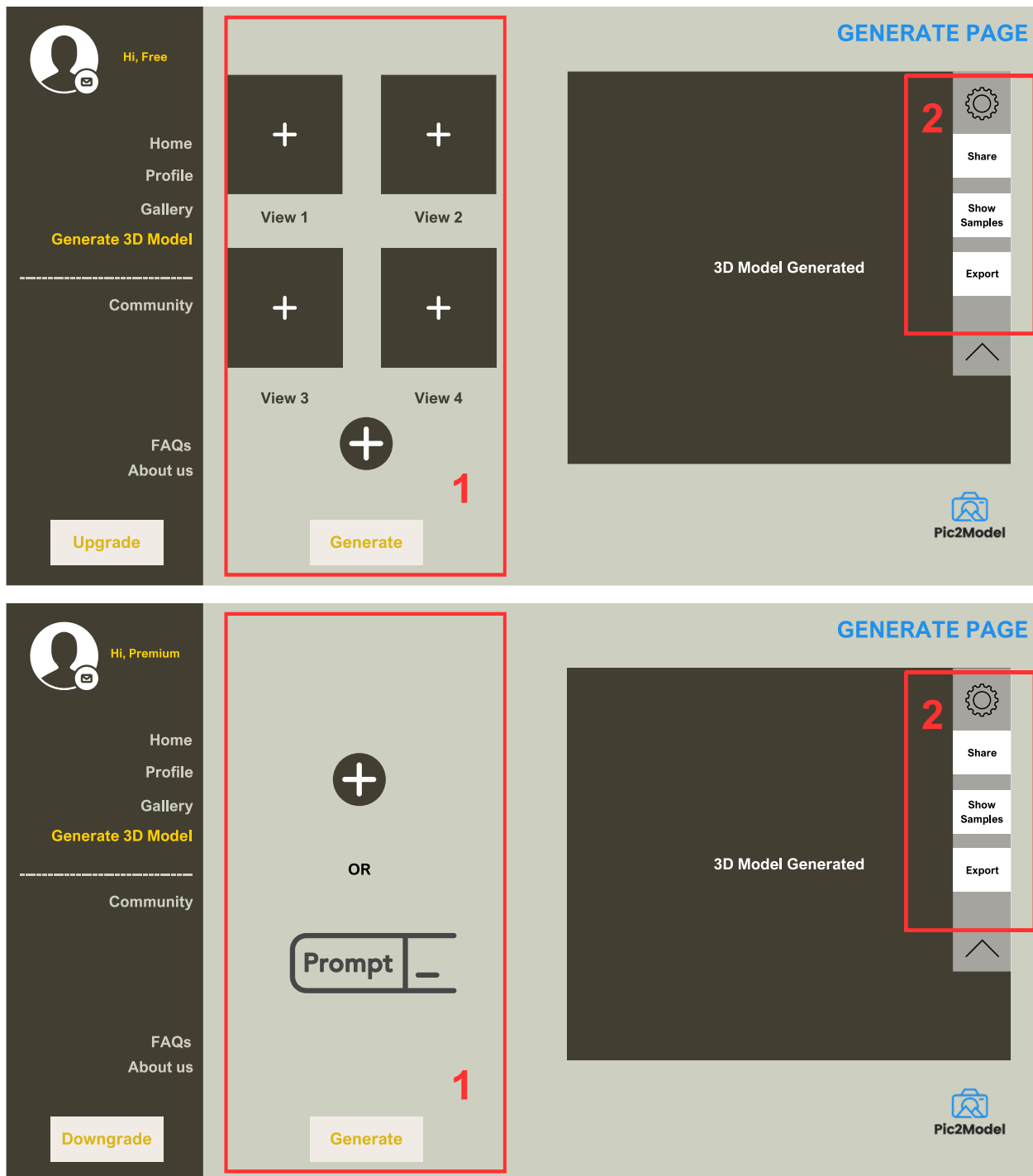
This is the main page of the product. This page shows some of User's generated 3D models.



1. Users can click on “**See more...**” and directed to Gallery page to see more models.
2. When clicking on shown models, Users can learn details of that model.
3. To generate new 3D model, Users click “+” button.

1.3. Generate Page

This page is used by Users to generate new 3D models of their desired objects.



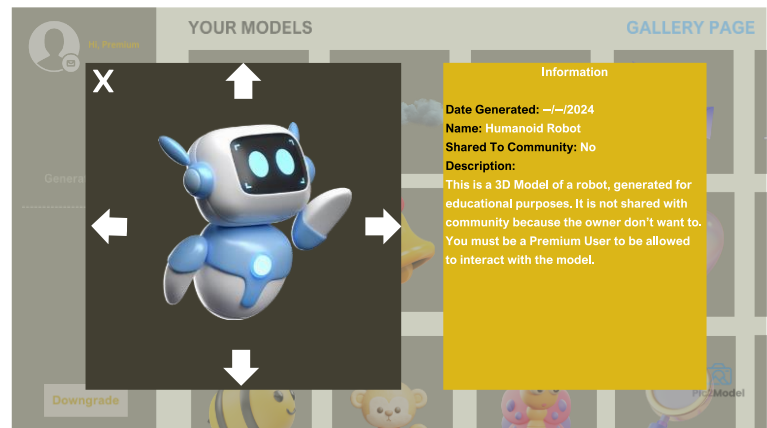
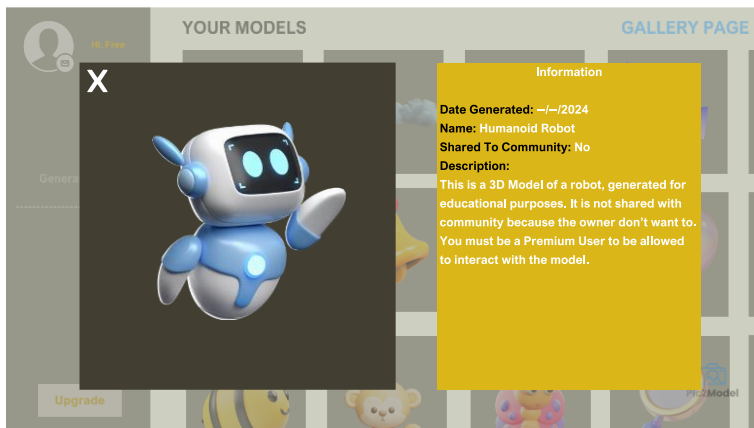
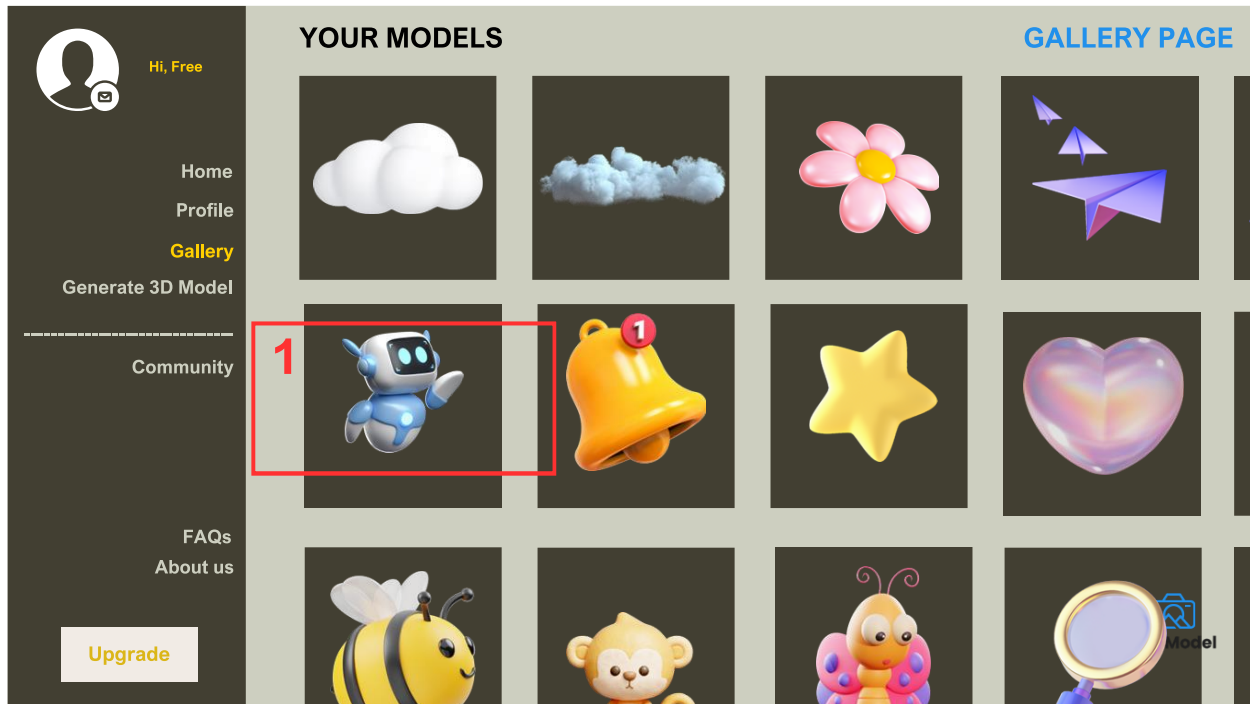
1. Generate 3D model

- Free User has only one way to generate a new 3D model: upload images taken from different view angles of the object they want to generate 3D model (at least 4 images).
- Premium User has two ways to generate new 3D model:
 - Upload only one image of the object. The AI model underlying can interpolate other view angles and use these to generate 3D model.
 - Prompt descriptions about desired object to generate 3D models of that object.

2. Process generated models

1.4. Gallery Page

This page contains all generated models of Users, they can see details and interact with models here.



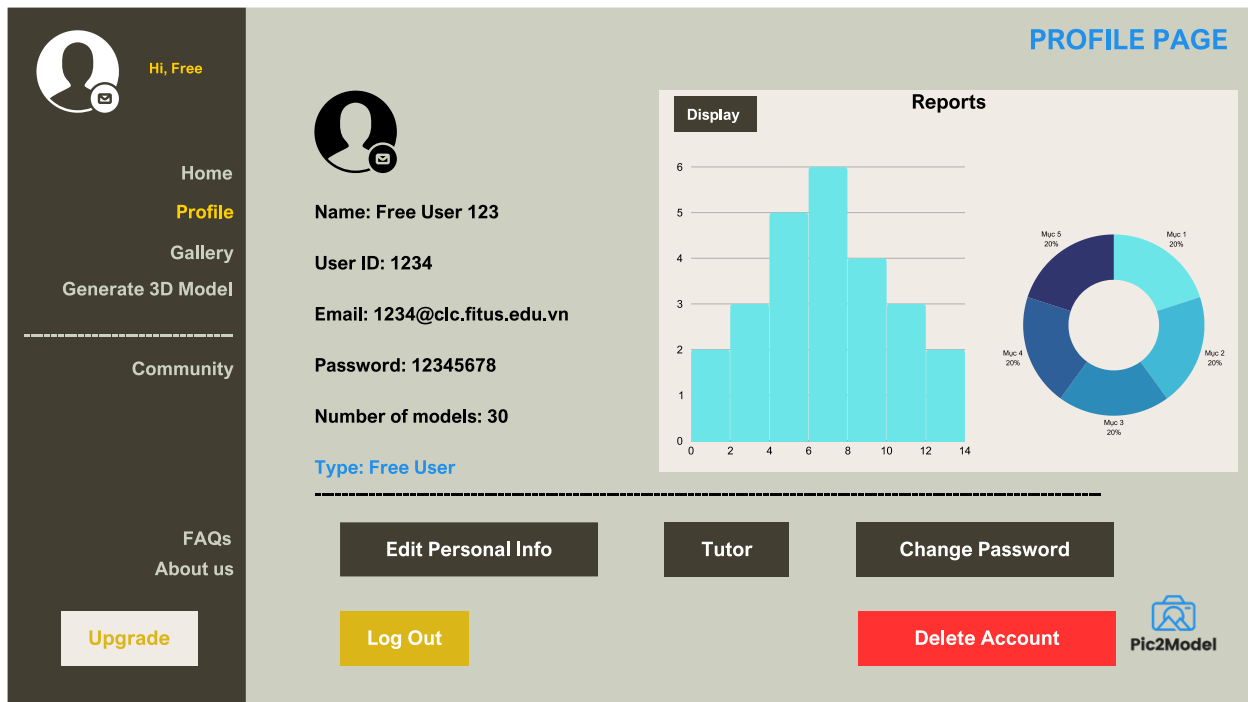
1. Clicks on the model to learn its details.
2. Premium User can interact (rotate, zoom in, zoom out, etc.) with the model here, but Free User can not.

1.5. Profile Page

This page shows personal information of User.

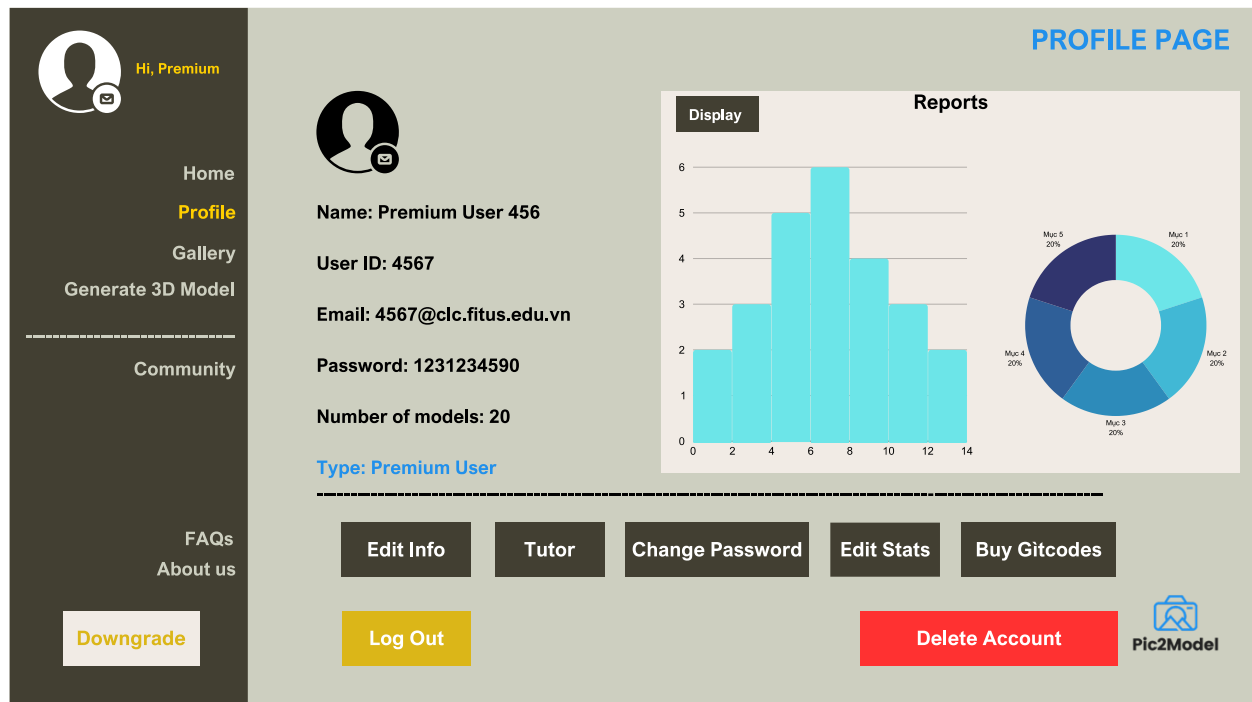
1. Free User can perform basic actions:

- **Log-out:** Log-out from current account.
- **Edit personal information:** Change and update personal information.
- **Display reports:** See statistics.
- **Tutor:** Tutorial to learn how to use the product.
- **Change password:** Change current password.
- **Delete account:** Delete current account and it will not be available anymore.



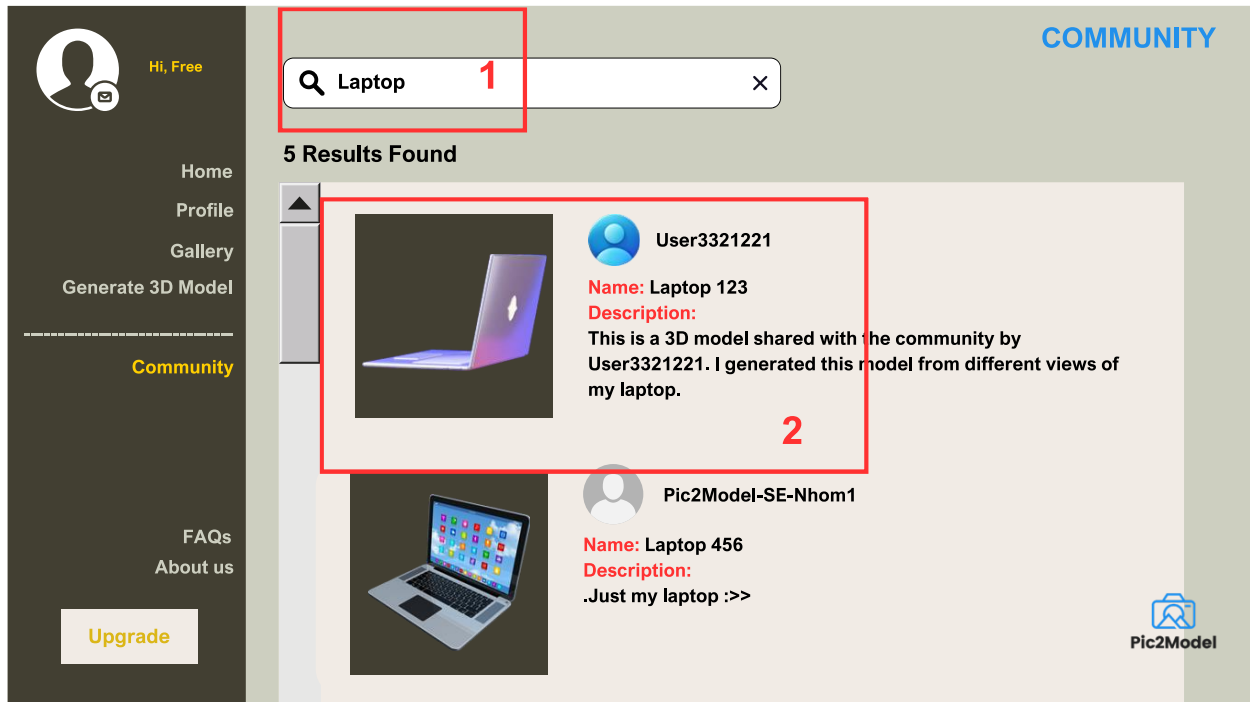
2. Premium User can perform basic actions like Free User and 2 more advanced functions:

- **Edit stats:** Edit parameters of AI model used to generate 3D models to get desired model when generating.
- **Buy giftcode:** Buy gift codes for other Users to use.



1.6. Community Page

This page contains shared models by different Users. Each User can share and access shared models for personal use.

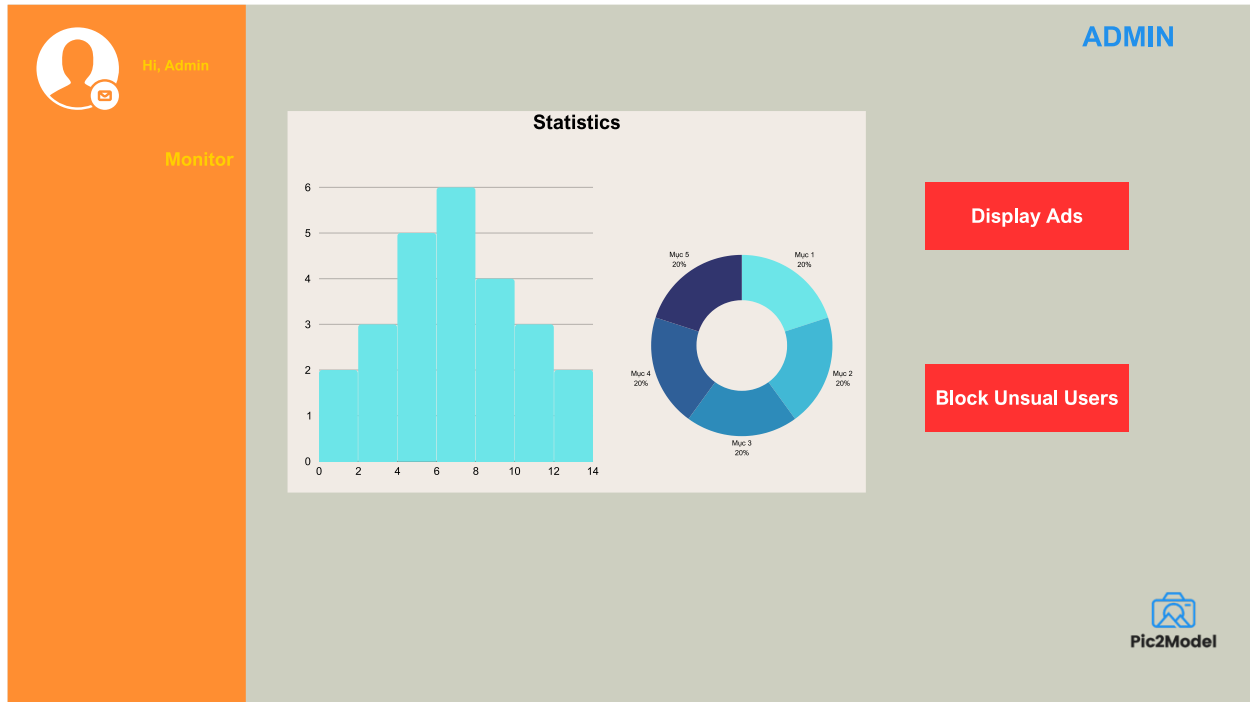


1. Search for desired shared 3D models.
2. Access the results for personal uses.

2. Admin UI

2.1. Monitor Page

This page is used by Admin to monitor and manage the whole product.



1. Admin can display ads to Free Users.
2. Admin can block unusual Users to prevent they from doing any harm to the software.