PropriskAI Requirements document

Catalog

1. Overview

1.1 Project name

PropriskAI

1.2 Project overview

PropriskAI aims to provide an integrated and comprehensive information platform for multiple stakeholders in the real estate sector, including relevant government departments, financial institutions, individual investors, etc., to meet the challenges of the liquidity crisis in the real estate industry. PropriskAI is committed to providing a comprehensive and in-depth real estate company information search service for product users. The service not only covers the basic information of real estate companies, but also includes deeper financial status and potential risks. The main functions of the current version include real estate enterprise information query, real estate supplier enterprise information query and so on.

1.3 Documentation

The document for the actual development process of the guiding documents. The entire website design, front development, background development needs to be based on this document.

2 Product Function Description

2.1 Home page

2.1.1 Information display and access portal

User scenario	Users view product information and enter to use
Functional Description	(1) Users browse the product information display (2) User access to product features
Priority	P0
Inputs/Preconditions	not have

Description of requirements	(1) Users slide down the homepage to browse product information, respectively, advertisement display, real estate association enquiry function display, supplier risk enquiry function display, member information display, team information display.
	(2) Set the "Start Using" button at the product information display, and click the button to jump to the corresponding use page.

Output/Postcondition	(1) Users click the button on the property linkage enquiry display to jump to the property linkage enquiry page. (2) Users click the button on the Vendor Risk Enquiry function display to jump to the Vendor Risk Enquiry page.
Outlier handling	
Supplementary note	not have

2.1.2 Open membership portal
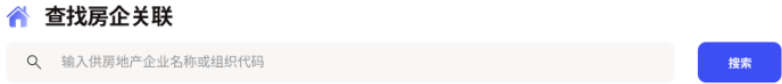
User scenario	Users enter the membership portal on demand
Functional Description	User access to the membership portal
Priority	P0
Inputs/Preconditions	not have

Description of requirements	The lowest part of the page where the member information is displayed prevents the "Open Now" button.
Output/Postcondition	Click "Open Now" to jump to the membership opening page.
Outlier handling	
Supplementary note	not have

2.2 Property link enquiry page

2.2.1 Search for property companies (non-members)

User scenario	Users search for real estate companies and get information about suppliers
Functional Description	(1) Search for property companies (2) Get information on suppliers to this real estate business (3) View specific information about the corresponding supplier
Priority	P0
Inputs/Preconditions	not have

Description of requirements	(1) Before searching: Set the search box, you can enter the name or code of the real estate company, click the "Search" button to search. (2) Search results: displays information about the real estate company and its suppliers, including the name of the real estate company, the name of the supplier, the supplier's organisation code, and the extent to which the supplier has been affected; presented in tabular form.
Output/Postcondition	Click on any supplier name to jump to the Supplier Risk Enquiry page.
Outlier handling	
Supplementary note	not have

2.2.2 Search for property companies (members)

User scenario	Users search for real estate companies and obtain supplier information and forecast reports
Functional Description	(1) Search for property companies (2) Get details of this property business (3) Get supplier information for this real estate business (4) Get a forecast report for this property business
Priority	P0
Inputs/Preconditions	User is logged in and is a member

Description of requirements	(1) Before searching: Set up a search box, you can enter the name or code of the real estate company and click the "Search" button to search.

(2) Search Results:

① Real estate business information: the name of this real estate business, company profile; presented in text form.

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② Supplier information for this real estate business: supplier name, supplier organisation code, degree of impact on the respondent; presented in tabular form.

③ Forecast reports: dynamic risk forecasts (presented in text); revenue forecasts, profit forecasts, cash flow forecasts, return on net assets forecasts; presented as bar chart graphs.
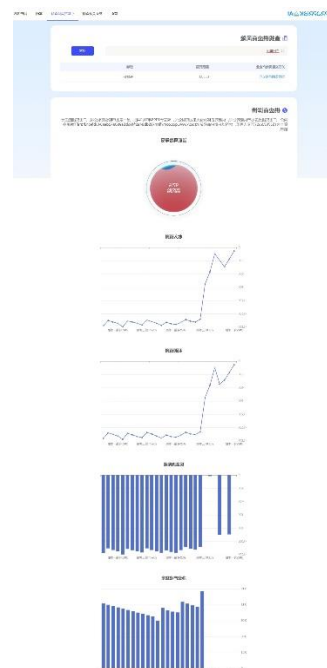
Output/Postcondition	Click on any supplier name in the table to jump to the Supplier Risk Enquiry page.
Outlier handling	
Supplementary note	not have

2.2.3 Report download (members)

User scenario	Users download real estate company-specific reports
Functional Description	Users download real estate company-specific reports
Priority	P0
Inputs/Preconditions	User is logged in and is a member

Description of requirements	(1) Member users real estate search results interface set "Download Report" button, click the button to download the report of the PDF (2) Select download path
Output/Postcondition	Download the report and save it to the user's computer
Outlier handling	
Supplementary note	not have

2.3 Supplier companies risk enquiry page

2.3.1 Search for supplier companies (non-members)

User scenario	Users search for supplier companies and get information about real estate companies.
Functional Description	(1) Search for supplier companies (2) Obtain information on real estate companies affiliated with the supplier's company (3) View specific information on affiliated real estate companies
Priority	P0
Inputs/Preconditions	not have

Description of requirements	(1) Before searching: Set up a search box where you can enter the supplier's business name/code and click the "Search" button to search.

(2) Search results: displays information about the supplier company and associated real estate companies, including the supplier company name, real estate company name, real estate company organisation code, and the degree of influence of a single real estate company; presented in tabular form.

Output/Postcondition	Click on any real estate business name to jump to the property association search page.
Outlier handling	
Supplementary note	not have

2.3.2 Search supplier company (member)

User scenario	Users search for supplier companies and obtain information and forecast reports on related real estate companies.
Functional Description	(1) Search for supplier companies (2) Get company details for this supplier (3) Get information on real estate companies associated with this supplier's company (4) Get the supplier's corporate forecast report
Priority	P0
Inputs/Preconditions	User is logged in and is a member

Description of requirements	(1) Before searching: Set the search box, you can enter the name or code of the real estate company and click the "Search" button to search.

(2) Search Results:

① Supplier company information: the supplier's company name, company description; presented in text form.
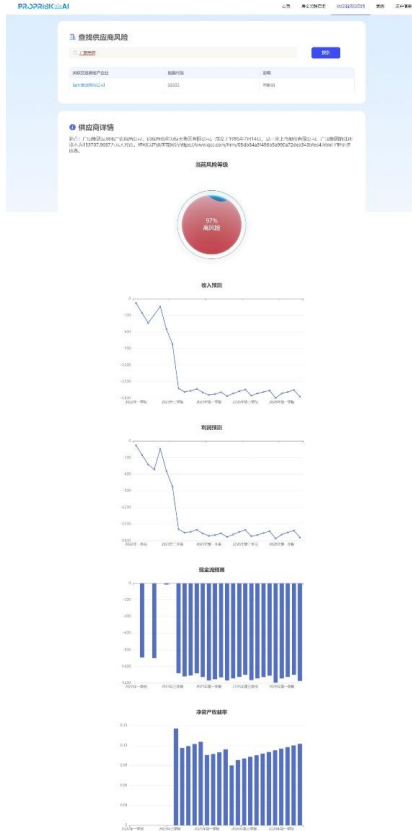
⟨ ⌇ 供应商详情

Acme inc.是一家市值10亿美元的房地产公司，2023年，Acme inc.收购了大量物业，并投入巨资进行房地产开发，由于房地产cvcle的影响，该公司的流动性风险大幅增加。在本报告中，我们将分析公司当前流动性风险的原因及其潜在影响，并提出风险控制建议。

② Information on the real estate enterprises associated with this supplier company: name of the real estate company, organisation code of the real estate enterprise, degree of influence of a single real estate enterprise; presented in tabular form.

③ Forecast reports: risk forecasts (presented as text); revenue forecasts, profit forecasts, cash flow forecasts, return on net assets forecasts; presented as bar chart graphs.

Output/Postcondition	Click on any of the real estate business names in the table to jump to the property association search page.
Outlier handling	not have
Supplementary note	not have

2.3.3 Report download (members)

User scenario	Users download vendor company-specific reports
Functional Description	Users download vendor company-specific reports
Priority	P0
Inputs/Preconditions	User is logged in and is a member

Description of requirements	(3) Member user supplier company search results interface set "download report" button, click the button to download the report PDF (4) Select download path
Output/Postcondition	Download the report and save it to the user's computer
Outlier handling	not have
Supplementary note	not have

2.4 Case page

2.4.1 View past cases

User scenario	Users view past cases of the product
Functional Description	Users view past cases of the product
Priority	P0
Inputs/Preconditions	not have

Description of requirements	Users browse to view images and text of past cases of the product.
Output/Postcondition	not have
Outlier handling	not have
Supplementary note	not have

2.5 My Page

2.5.1 Login & Register

User scenario	User Login and Registration
Functional Description	User Login and Registration
Priority	P0
Inputs/Preconditions	not have

Description of requirements	(1) User registration: Enter your personal information to register; set the "Login" button to be switched. (2) User Login: Enter personal information to login; password recovery function. (3) Log out.
Output/Postcondition	(1) Click the "Login" button in the user registration window to switch to the login window. (2) The user logs out of the user account after logging out.
Outlier handling	not have
Supplementary note	not have

2.5.2 Account information viewing and modification

User scenario	Users view modified account information
Functional Description	(1) Users view personal account information (2) User changes personal account information
Priority	P0

Inputs/Preconditions	not have

Description of requirements	(1) View Information: My page displays user avatar, username, and member information. (2) Modify information: Users can modify the household head, user name, bound mobile phone number, password.
Output/Postcondition	Changes to the user's information correspond to changes to the user's information in the database.
Outlier handling	not have
Supplementary note	not have

2.5.3 Membership opening and setting

User scenario	Users open, view and set membership information
Functional Description	(1) User opens membership (2) Users view member information (3) User modification of member information
Priority	P0
Inputs/Preconditions	not have

Description of requirements	(1) Open membership: Users choose the form of membership (corporate or personal version) and pay. (2) View member information: member level, days remaining for member use. (3) Modify member information: WeChat binding (WeChat sweep), mobile phone number binding, password setting.
Output/Postcondition	Corresponds to the modification of member information and permissions in the database after a change in the user's membership status or information.
Outlier handling	not have
Supplementary note	not have

2.5.4 Other Functions

User scenario	Users can view historical download reports, give feedback on product experience, and view product information.
Functional Description	(1) View historical download reports (2) User uploads submit feedback (3) View Product Information
Priority	P0
Inputs/Preconditions	not have

Description of	(1) View Historical Download Reports: Displays the name, time, and details of the

requirements	report downloaded by the user.
	(2) Feedback: show content and email.
	(3) Product information display (about us): product webpage introduction, team introduction.
Output/Postcondition	User feedback uploaded to email
Outlier handling	not have
Supplementary note	not have