Team WINY

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Responsibilities
Irwin and Wanlin: Created user stories, drew up wireframes
Nancy and Yiming: Picked which user stories to include in first iteration, expanded into use cases

Git repository
https://github.com/wanlinxie/ASE-marketgame

User Story 1: Create New Account

Description: As a new user, I want to be able to register for a personal account.

Use Case 1: Create New Account

Actor	New user
Overview	The new user accesses the website's home page. He clicks the "create new account" button, which brings him to the new account creation page. He enters his username and password, and clicks submit. There will be a message that informs him of the successful creation of his account, and then he will be automatically logged in into his account. The page is automatically redirected to his personal page.
Subject Area	Login and authentication
Trigger	New user wants to create a new account.
Preconditions	1. User does not have an existing account

	2. Username selected does not already exist in the system
Basic Flow	1. The new user accesses the website's home page 2. He clicks the "create new account" button, which directs him to the account creation page 3. He enters a username and password into the relevant fields 4. He clicks enter 5. The system indicates that he has created his account successfully 6. The page is automatically redirected to his personal page (he is logged in automatically)
Exception Flow: Username already exists	1. The new user accesses the website's home page 2. He clicks the "create new account" button, which directs him to the account creation page 3. He enters a username and password into the relevant fields 4. He clicks enter 5. The system indicates that the username he has selected already exists, and prompts him to enter an unused username 6. The user enters a new username and password into the relevant fields 7. He clicks enter 8. The system indicates that he has created his account successfully 9. The page is automatically redirected to his personal page (he is logged in automatically)
Postcondition	1. The new account is created 2. The user is logged in and is redirected to his personal page 3. The username/password combination is added to the system database
Event Initiated by the Completion of the Use Case	1. The user is logged in and is redirected to his personal page

	2. The user can begin to use the functionalities of the website

HOME PAGE TITLE

PICTURE

USERNAME
PASSWORD
Create New Account
LOG IN

About

Footer

Create a New Account

Username   [user   ] Username already exist
Password   [******]

confirm
Password   [*******] Password does not match

First Name [_____]
Last Name [_____]
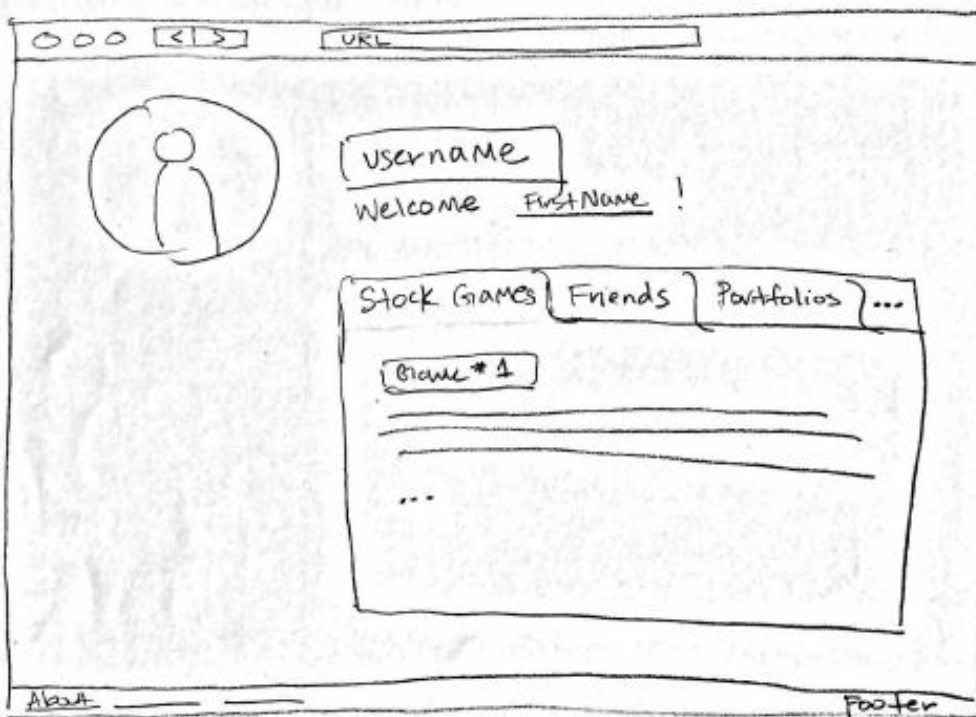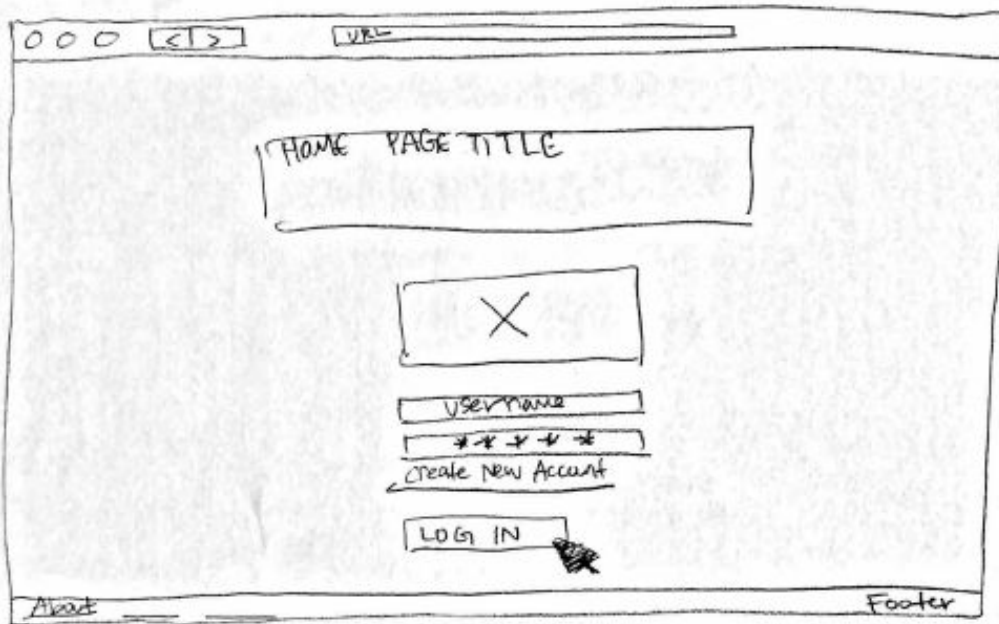Email [_____]

[Sign Up]

About

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User Story 2: Login

Description: As a user, I want to be able to login into my personal account.

Use Case 2: Login

Actor	User with an existing account
Overview	The user accesses the website's home page. On the home page, there are username and password fields. He keys in the relevant information into these fields. He clicks the "login" button. Upon successful login, the page is automatically redirected to his personal home page.
Subject Area	Login and authentication
Trigger	Existing user wants to login into his account
Preconditions	User already has an existing account
Basic Flow	1. The user accesses the website's home page 2. On the home page, there are username and password fields. 3. He keys in the relevant information into these fields. 4. He clicks the "login" button. 5. Upon successful login, the page is automatically redirected to his personal home page.
Exception Flow: Incorrect Login Information	1. The user accesses the website's home page 2. On the home page, there are username and password fields 3. He keys in the relevant information into these fields 4. He clicks the "login" button 5. The system indicates that the login information is incorrect 6. The user has an "a-ha" moment and recalls his correct login information, which he re-enters into the relevant

	fields
	7. He clicks the "login" button.
	8. Upon successful login, the page is automatically redirected to his personal home page
Postcondition	1. The user is logged in
	2. The website home page is automatically redirected to his personal home page
Event Initiated by the Completion of the Use Case	1. The user is logged in and is redirected to his personal page
	2. The user can begin to use the functionalities of the website

O O O [< | >] URL [_____]

HOME PAGE TITLE

X

Username
* * * * *
Create New Account

LOG IN

About _____ _____   Footer

O O O [< | >] URL [_____]

username

Welcome FirstName !

Stock Games | Friends | Portfolios | ...
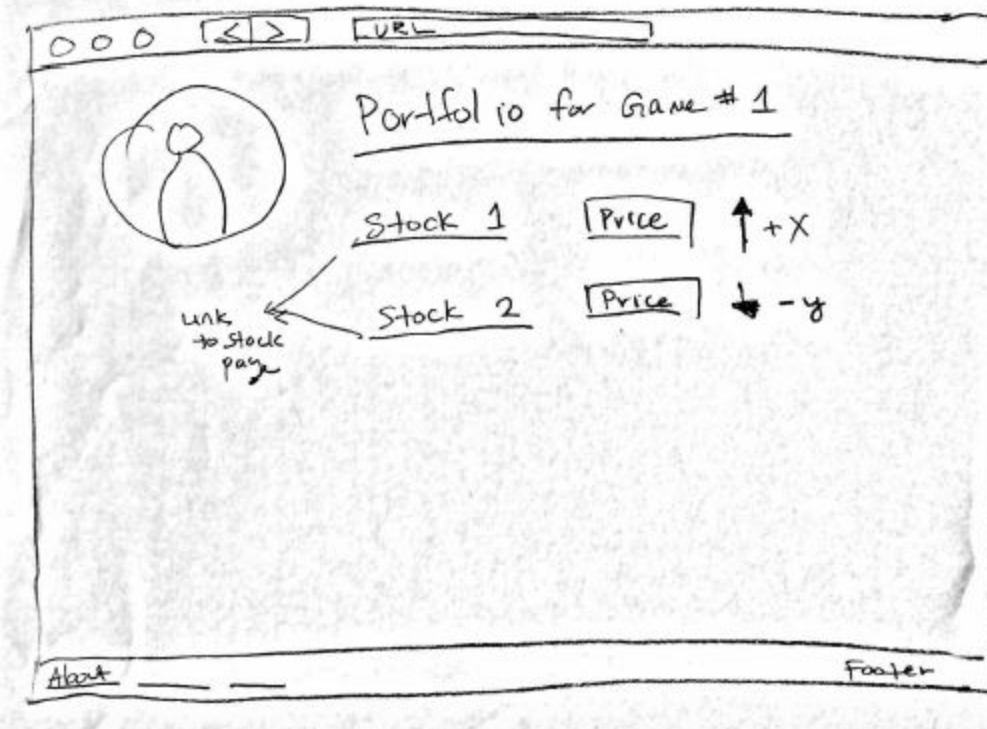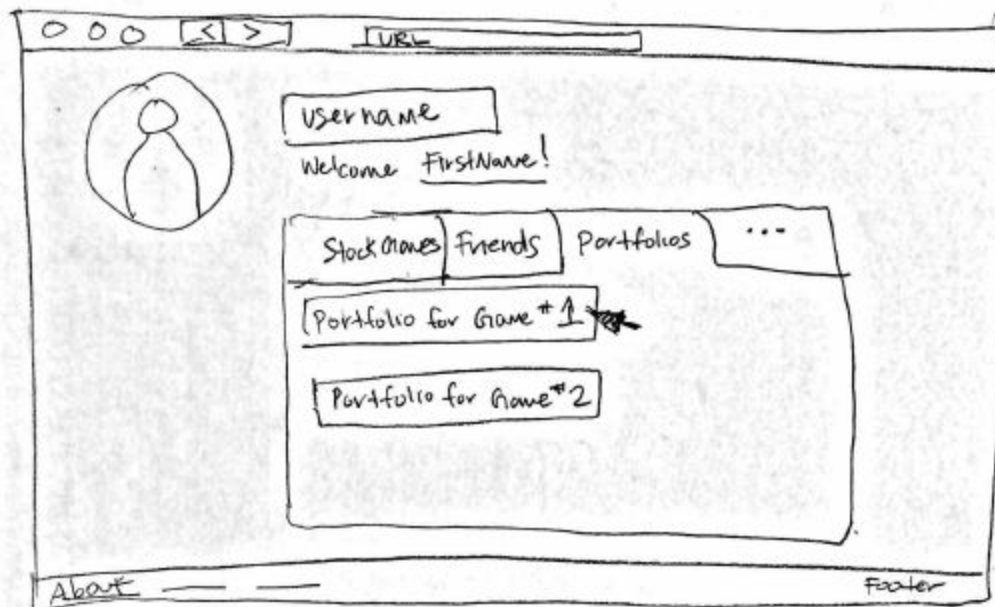
Game # 1

...

About ____ ____   Footer

User Story 3: View Portfolio

Description: As a user, I want to be able to view my portfolio.

Use Case 3: View Portfolio

Actor	User with an existing account, who is already logging into the system
Overview	After logging in, the user is in his personal home page. His personal homepage contains a table titled "My Portfolio", which contains fields such as Symbol, Current Price, Holdings, Cost, PnL, Change, %Change, Volume, Average Volume, Day Range and 52-Week Range
Subject Area	Portfolio management
Trigger	User wants to view his portfolio information
Preconditions	1. User already has an existing account 2. User is logged in
Basic Flow	1. After logging in, the user is in his personal home page 2. His personal homepage contains a table titled "My Portfolio", which contains fields such as Symbol, Current Price, Change, %Change, Volume, Average Volume, Day Range and 52-Week Range 3. The user can sort the table to view his portfolio information by increasing/decreasing order for each of the variables
Postcondition	The user's portfolio is displayed and sorted according to his preferences
Event Initiated by the Completion of the Use Case	The user's portfolio is displayed and sorted according to his preferences

Screen 1

○ ○ ○ [< | >] URL _____

Username
Welcome FirstName!

| Stock Games | Friends | Portfolios | ... |

Portfolio for Game #1 ✗

Portfolio for Game #2

About ___ __ ___   Footer

Screen 2

○ ○ ○ [< | >] URL _____

Portfolio for Game #1

Stock 1   [Price]   ↑ +X

link
to Stock   Stock 2   [Price]   ↓ -y
page

About ___ __ ___   Footer

User Story 4: Add to Portfolio

Description: As a user, I want to be able to add stocks to my portfolio.

Use Case 4: Add to Portfolio

Actor	User with an existing account
Overview	After logging in, the user is in his personal home page. There is a section in the page that allows him to search for stocks by name or ticker and to add the stock to his portfolio.
Subject Area	Portfolio management
Trigger	The user wishes to add a certain number of units of stock X to his portfolio
Preconditions	1. User already has an existing account 2. User is logged in
Basic Flow	1. After logging in, the user is in his personal home page 2. There is a section in the page that allows him to search for stocks by name or ticker and to add the stock to his portfolio. 3. In the text input field, he enters either the stock ticker or stock name and clicks the "Search" button 4. The system displays a validation message that shows the stock name and information (same variables as portfolio table). 5. The system displays a text input field to ask how many units of stock the user wishes to add to his portfolio. 6. The user keys in the relevant number and hits enter. 7. The page prompts the user to confirm that this is the stock that he wants to add to his portfolio. 8. The page refreshes and the newly

	added stock is incorporated into the portfolio table
Exception Flow: Incorrect stock name or stock ticker	1. After logging in, the user is in his personal home page 2. There is a section in the page that allows him to search for stocks by name or ticker and to add the stock to his portfolio. 3. In the text input field, he enters either the stock ticker or stock name and clicks the "Search" button 4. The system displays an error message, telling the user that the searched stock cannot be found 5. In the text input field, the user enters either the correct stock ticker or stock name and clicks the "Search" button 6. The system displays a validation message that shows the stock name and information (same variables as portfolio table). It prompts the user to confirm that this is the stock that he wants to add to his portfolio. 7. After the user confirms, the system displays a text input field to ask how many units of stock the user wishes to add to his portfolio 9. The user keys in the relevant number and hits enter 10. The page refreshes and the newly added stock is incorporated into the portfolio table
Exception Flow: Stock is already added to the portfolio	1. After logging in, the user is in his personal home page 2. There is a section in the page that allows him to search for stocks by name or ticker and to add the stock to his portfolio. 3. In the text input field, he enters either the stock ticker or stock name and clicks the "Search" button 4. The system displays a validation message that shows the stock name and information (same variables as portfolio table). It prompts the user to

	confirm that this is the stock that he wants to add to his portfolio. 5. After the user confirms, the system displays an error message informing the user that the stock already exists in his portfolio
Postcondition	None
Event Initiated by the Completion of the Use Case	None

Screen 1

○ ○ ○ [< | >] [URL]

Username

Welcome   FirstName

Search: 🔍

Enter: Stock Name

About _____ _____

Footer

Screen 2

○ ○ ○ [< | >] URL

Ⓧ Free Cash: $50

Stock   Page

$ Stock Price

Graph

— Info about Stock

# of Shares

Add to Portfolio

Portfolio Game 1
- Portfolio Game 2
Portfolio Game 3
Portfolio Game 4

choose which portfolio to add stock to.

About _____ _____

Footer

Are you sure you would like to X shares of stock?

YES   NO