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**Team C (Johnson Chen, Dino Radoncic, Anova Sarkar,  
Daphne Tang, and Konrad Zielinski)**

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**TweakMart  
Software Requirements Specification For  
An Electronic Market System**

**Version <3.0>**

## **Table of Contents**

<b>1. Project Specs</b>	<b>3</b>
<b>2. Team Member Evaluation</b>	<b>13</b>
<b>3. Github Repo Address</b>	<b>13</b>
<b>4. Signatures of Every Team Member</b>	<b>13</b>

# Software Requirements Specification

## 1. Project Specs

An SU can perform the tasks below:

- Process applications and decide who can be OU and who should be denied with justifications.
  - SU can view all registered OU (and its information) and remove if suspicious

The screenshot shows the Django admin 'Select user to change' page. The left sidebar has 'Start typing to filter...' and sections for 'AUTHENTICATION AND AUTHORIZATION' (Groups, Users), 'MARKET' (Bids, Lots, Reviewss), and a general 'Add' button. The main area shows a table with columns: USERNAME, EMAIL ADDRESS, FIRST NAME, LAST NAME, and STAFF STATUS. Five users are listed: Konr, KonradZ, Temp, dino, and konra. The 'Temp' user is selected. A 'FILTER' sidebar on the right includes dropdowns for 'By staff status' (All, Yes, No), 'By superuser status' (All, Yes, No), and 'By active' (All, Yes, No). The top right has 'WELCOME, KONRA' and links for 'VIEW SITE / CHANGE PASSWORD / LOG OUT'.

The screenshot shows the 'Change user' form for the user 'Konr'. The left sidebar is identical to the previous screenshot. The main form has tabs for 'Personal info' (First name, Last name, Email address) and 'Permissions' (Active, Staff status, Superuser status). Under 'Permissions', 'Active' is checked. The 'Available groups' section lists 'Groups' and 'User', while the 'Chosen groups' section is empty. The top right has 'WELCOME, KONRA' and links for 'VIEW SITE / CHANGE PASSWORD / LOG OUT'.

- b) Process items the OUs submitted intending to sell, some can be publicly available on the system and some may be denied and communicated to the OU.
- SU can view all items that OU submitted to sell (and its information)
  - SU can remove items that OU posted and communicate with OU about it

- c) Send warnings to OUs who received two complaints or the average grade is lower than 2 with at least 3 evaluators, should an OU receive two warnings this OU should be removed from the system automatically. The SU has the power to remove any OU(s) with justifications at any time.
- *Not implemented.*
- d) Collect transaction statistics for a certain period (a day or a week) and/or a certain OU(s).
- *Not implemented.*
- e) Settle disputes between sellers and buyers and apply warnings/removals accordingly.
- SUs can view bidders and sellers of an item
  - If there is a disagreement, SU can remove an a bid or lot if necessary

Django administration

Home > Market > Lots > Takeback Track Coat Zip Jacket

Start typing to filter...

**AUTHENTICATION AND AUTHORIZATION**

- Groups [+ Add](#)
- Users [+ Add](#)

**MARKET**

- Bids [+ Add](#)
- Lots [+ Add](#)
- Reviews [+ Add](#)

Change lot

**Takeback Track Coat Zip Jacket**

User: Konr [✎](#) [+ Add](#)

Name: Takeback Track Coat Zip Jacket

Description: Takeback Track Coat Zip Jacket, in very good condition!

StartBid: 40

Image: Currently: static/media/uploads/image8.png  
Change:  No file chosen

[Delete](#) [Save and add another](#) [Save and continue editing](#) [SAVE](#)

Django administration

Home > Market > Bids > Bid object (2)

Start typing to filter...

**AUTHENTICATION AND AUTHORIZATION**

- Groups [+ Add](#)
- Users [+ Add](#)

**MARKET**

- Bids [+ Add](#)
- Lots [+ Add](#)
- Reviews [+ Add](#)

Change bid

**Bid object (2)**

User: KonradZ [✎](#) [+ Add](#)

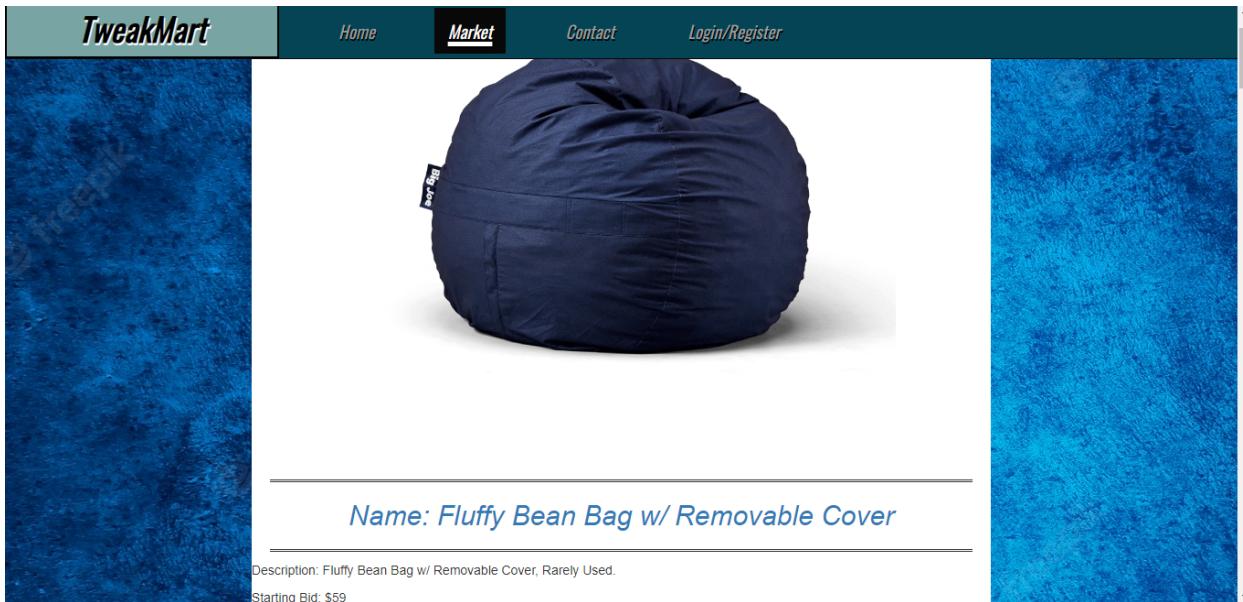
Lot: Fluffy Bean Bag w/ Removable Cover [✎](#) [+](#)

Amount: 500

[Delete](#) [Save and add another](#) [Save and continue editing](#) [SAVE](#)

## OU features:

- Features enjoyed by a GU.
  - Can browse market page
  - Scroll down to view items (with image, name of item, description, and starting bid)



- Can view home page that contains ads and deals

**Holiday DEAL!!!**

**Save Up to 50% off!**

Score big on a deal while supplies last.

Take A Look At Some Featured Items [See More ->](#)

- b) Deposit or withdraw money (symbolically, no real money is involved in the system) from own account. After a transaction, the buyer's money is transferred to the seller. A bidder cannot place a bid with amount more than s/he has in the system.
  - The left input functions enable users to input credit card details into the profile page
  - The right input functions enable users to deposit money to the balance or withdraw money from the balance in profile page

The screenshot shows a dark teal sidebar with a white navigation menu:

- Home
- Personal Information
- Payment & Wallet
- Transaction
- Logout

The main area has two sections:

- Add a credit card** section:
  - Card Number:
  - Name On Card:
  - Expiration Date:  Date
  - CVV:  ####
  -
- Balance: \$0** section:
  - Deposit (\$):  Amount
  - Withdraw(\$):  Amount

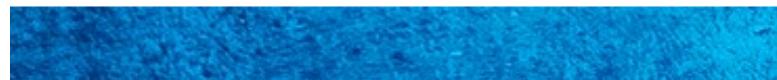
- c) Submit the bid to buy an available item, the OU who owns the item however decides if this transaction should proceed.
- Can submit a bid of input amount
  - Once OU click submit, the bid will show in the page of the item



*Bid*

**Amount:**

<input type="text"/>
<input type="button" value="Submit"/>



- The list of bids for an item can be shown when you click on the name of the item




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*Name: Fluffy Bean Bag w/ Removable Cover*

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Description: Fluffy Bean Bag w/ Removable Cover, Rarely Used.

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*Bids*

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User: DoomDashDevil
Bid: 10
User: DoomDashDevil
Bid: 69
User: DoomDashDevil
Bid: 420

- d) Submit the information (a picture or video, title, key words, time limit, price range) of the item(s) s/he wants to sell.
- There is an add lot button in the market page that can only be viewed and accessed by OUs
  - Clicking the button will lead the user to a page to submit information on their items (name, description, starting bid, and an image of the item)
  - Once OU clicks submit, the item will be posted onto the market
  - OU added the lot to market can delete the item post as well

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*Add Lot to Market*

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Name:

Description:

StartBid:

Image:  No file chosen

- e) Sell the item(s)s/he posted, the OU may choose whom to sell, if not the highest bidder was chosen, a reason must be provided.

*Not implemented.*

- f) File complaints to SUs against certain OUs whose item s/he purchased has some problem.

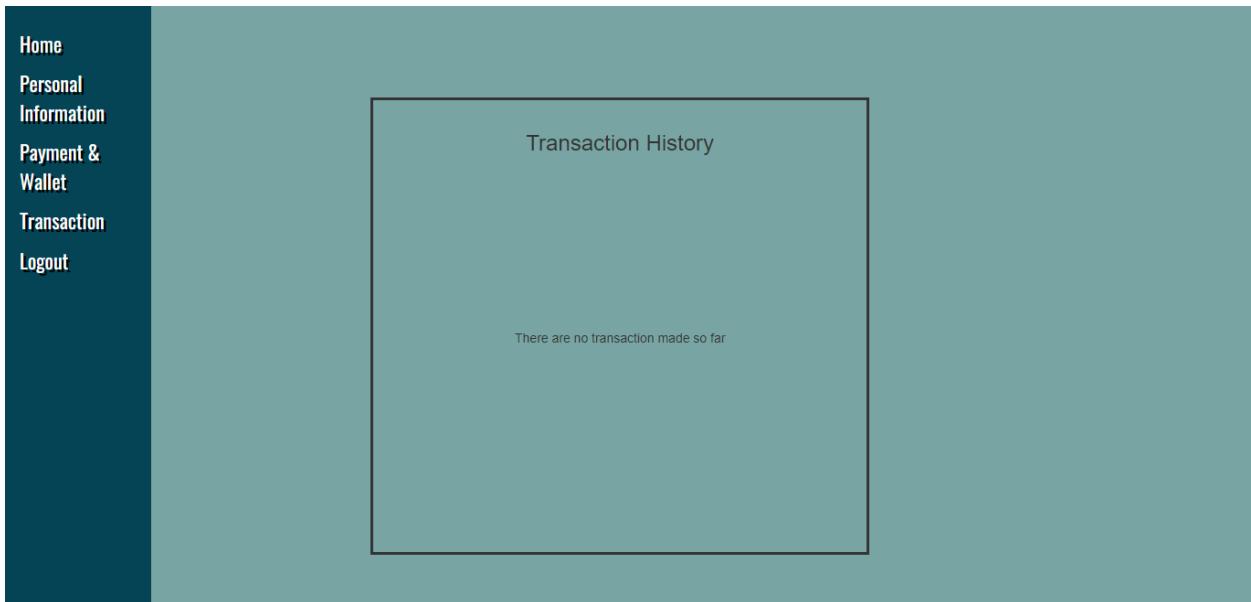
*Not implemented.*

The screenshot shows a dark blue-themed website for 'TweakMart'. At the top, there's a navigation bar with links for Home, Market, Contact (which is underlined), Profile, Logout, and Balance: 0. Below the navigation, a large blue banner features the text 'Got Questions? Need Help?' in white. Underneath the banner, a white form box contains the heading 'We Will Get Back To You As Soon As Possible!' followed by three input fields: 'Your Name', 'Your Email', and 'Message'. At the bottom of the form is a 'Submit' button. Below the form, a note says 'Or you can email us directly at [OfficialTweakMart@gmail.com](mailto:OfficialTweakMart@gmail.com)'.

- g) Grade an OU after buying an item from him/her, 1 being the worst and 5 being the best. Any OU making 3 1 (worst) or 5(best) rating to others, the OU must see the SU to make sure there is no problem, a warning or removal could ensure based on SU's judgment.  
- *Not implemented.*

- h) See his/her own transaction history.

- OUs can view transaction history by clicking onto the profile page (found in transaction)



- i) Change his/her password, name, address, phone, and credit card number.
- The left shows input function to change username, phone number, address
  - The right shows the input function to change password



- The left shows the input function to change credit card information

The screenshot shows a dark teal sidebar with a white navigation menu:

- Home
- Personal Information
- Payment & Wallet
- Transaction
- Logout

The main area has two sections:

- Add a credit card** form fields:
  - Card Number:
  - Name On Card:
  - Expiration Date:  Date
  - CVV:  ###
- Balance: \$0** with buttons:
  - Deposit (\$):  Amount
  - Withdraw(\$):  Amount

A GU can do the following tasks:

- Browse/search available items based on title, keywords, price range, and ratings;
  - *Not implemented. (Below is the prototype of what the search function could have looked like)*

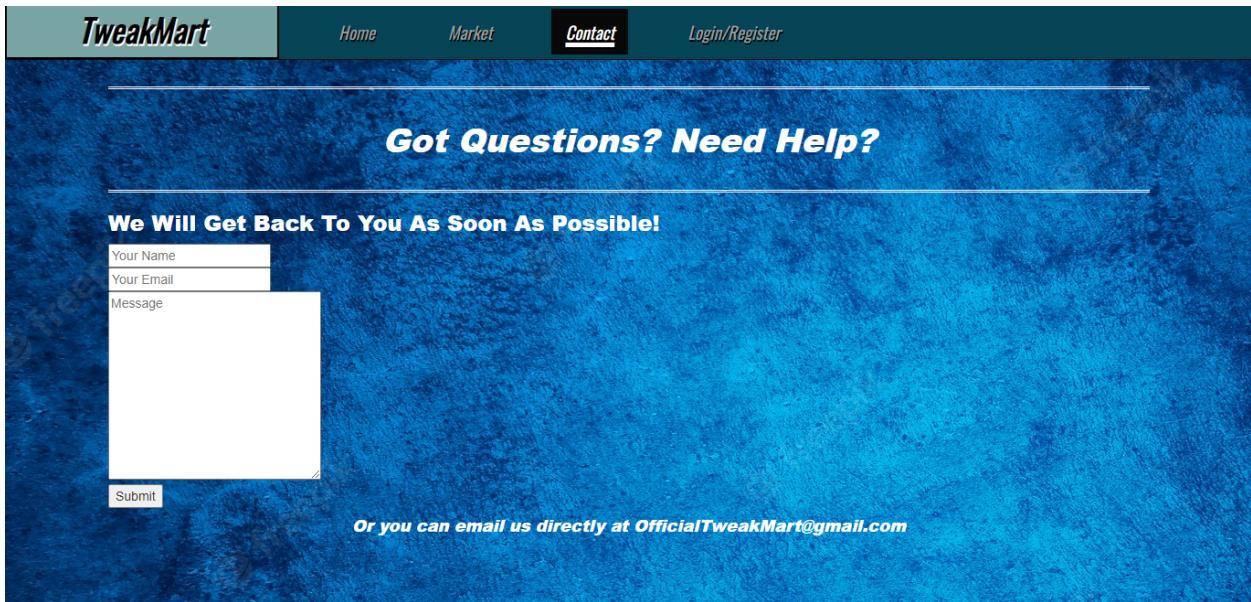
The prototype has a dark teal header with a logo and links:

- TweakMart
- Home
- Market**
- Contact
- Login

The main content area includes:

- Find Items** search bar with placeholder "Enter Title or Keywords" and a "Search" button.
- Filters: "Price Range" (Show Item priced from \$  Min to \$  Max) and "Ratings" (5-star rating scale).
- Categories** section with four colored buttons.

- Report to SU about the suspicious items (stolen) s/he spot from the site, if proven true the SU will remove the item and the CU who posted it and generate a report to be sent to police;
  - *Not implemented.*



c) Apply to be an OU

- GU can apply to be OU through the register page which requires username, email (ending with @gmail.com), password (must be >10 characters, contain at least 1 symbol, and at least 1 number)
- Once registered, the user will be automatically redirected to the login page in which they can log in to the site

The image displays two side-by-side registration and login forms. Both forms have a dark purple background and white text. The left form is titled "Register" and contains fields for "Username", "Email", "Password", and "Confirm Password". It includes links for "Already have an account?" and "Login here" at the bottom, and a "Register" button. The right form is titled "Login" and contains fields for "Username" and "Password". It includes links for "Don't have an account?" and "Register here" at the bottom, and a "Login" button.

## 2. Team Member Evaluation

- **Dino [+2 points]:** High level of effort all around, did the most backend development out of all group members. Was the primary backend developer for the website. High effort and contribution on the SRS reports and early web development planning.
- **Daphne [+1 point]:** Contributed to the backend functionalities, provided much of the implemented market backend. Was a backend developer for the website. High effort and contribution on the SRS reports and early web development planning.
- **Konrad [+1 point]:** Contributed to the backend functionalities, as well as working on the front end GUI for some of the website templates. Was a backend developer for the website. High effort and contribution on the SRS reports and early web development planning.
- **Johnson [+1 point]:** Contributed to the design and look, worked on and fully programmed almost all of the website templates. Was the primary frontend developer for the website. High effort and contribution on the SRS reports early web development planning.
- **Anova [-5 points]:** High effort and contribution on the SRS reports and early web development planning, however, due to Anova's unavailability towards the end of the project we have agreed as a group to deduct 5 points from her grade and add it to the other members' grades.

## 3. Github Repo Address

- <https://github.com/ooDino/TweakMart/tree/main>

## 4. Signatures of Every Team Member

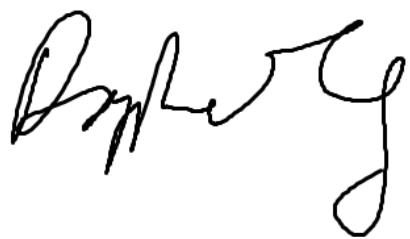
- Front End Engineer: Johnson Chen

A handwritten signature in black ink that reads "Johnson Chen". The signature is fluid and cursive, with "Johnson" on top and "Chen" below it.

- Front End Engineer: Anova Sarkar

A handwritten signature in black ink that reads "Anova Sarkar". The signature is fluid and cursive, with "Anova" on top and "Sarkar" below it.

- Back End Engineer: Daphne Tang



- Back End Engineer: Konrad Zielinski



- Back End Engineer: Dino Radoncic

