CS319

Deliverable 2
Team 8
Section 1

Tuna Saygın - 22102566
Hüseyin Burhan Tabak - 22102516
Ahmet Tarık Uçur - 22102946
Işıl Özgü - 22102276
Kanan Zeynalov - 22101007

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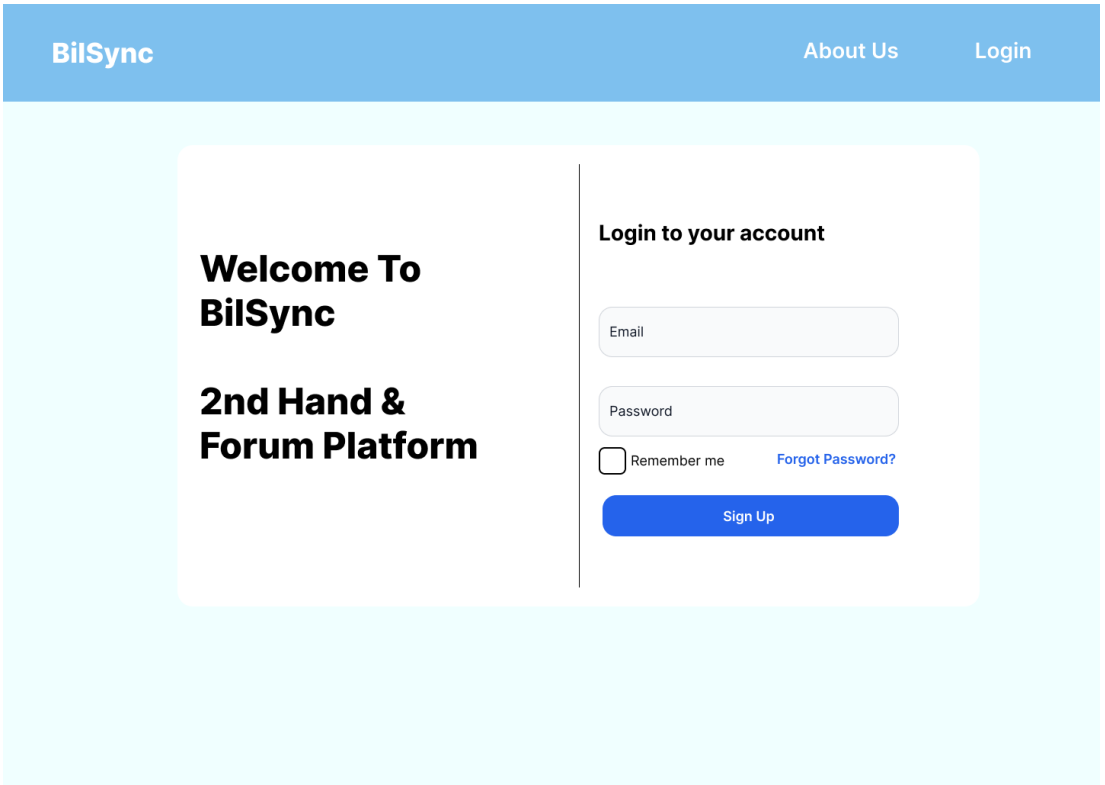
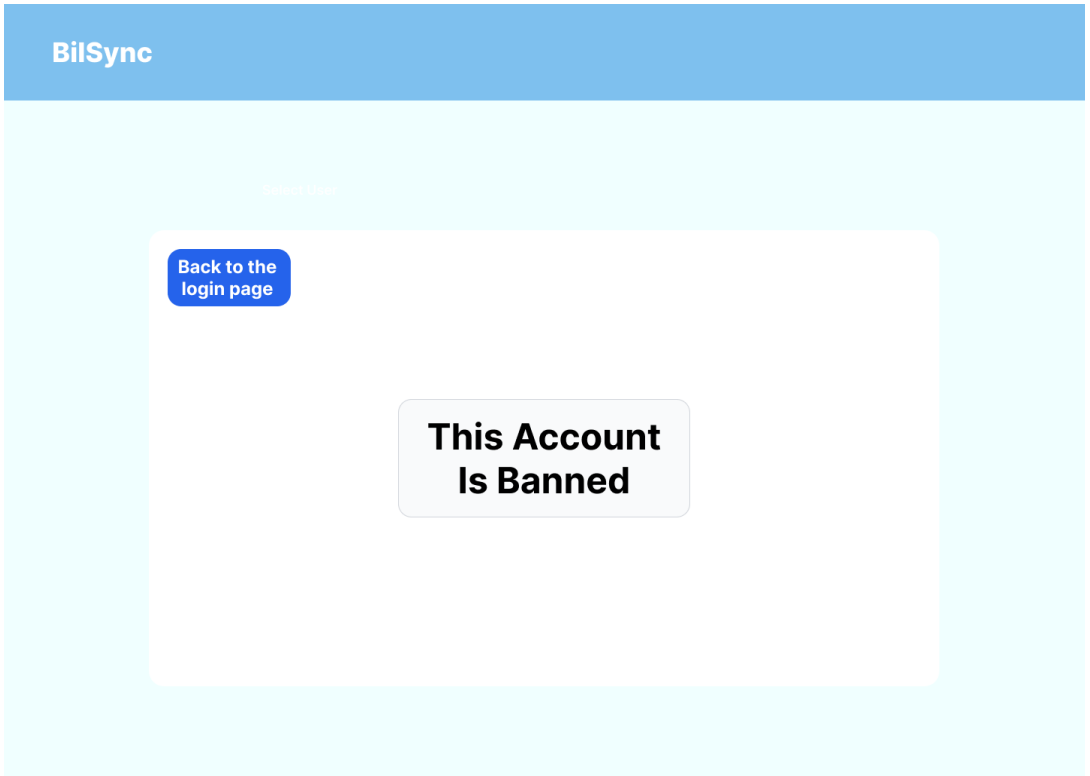
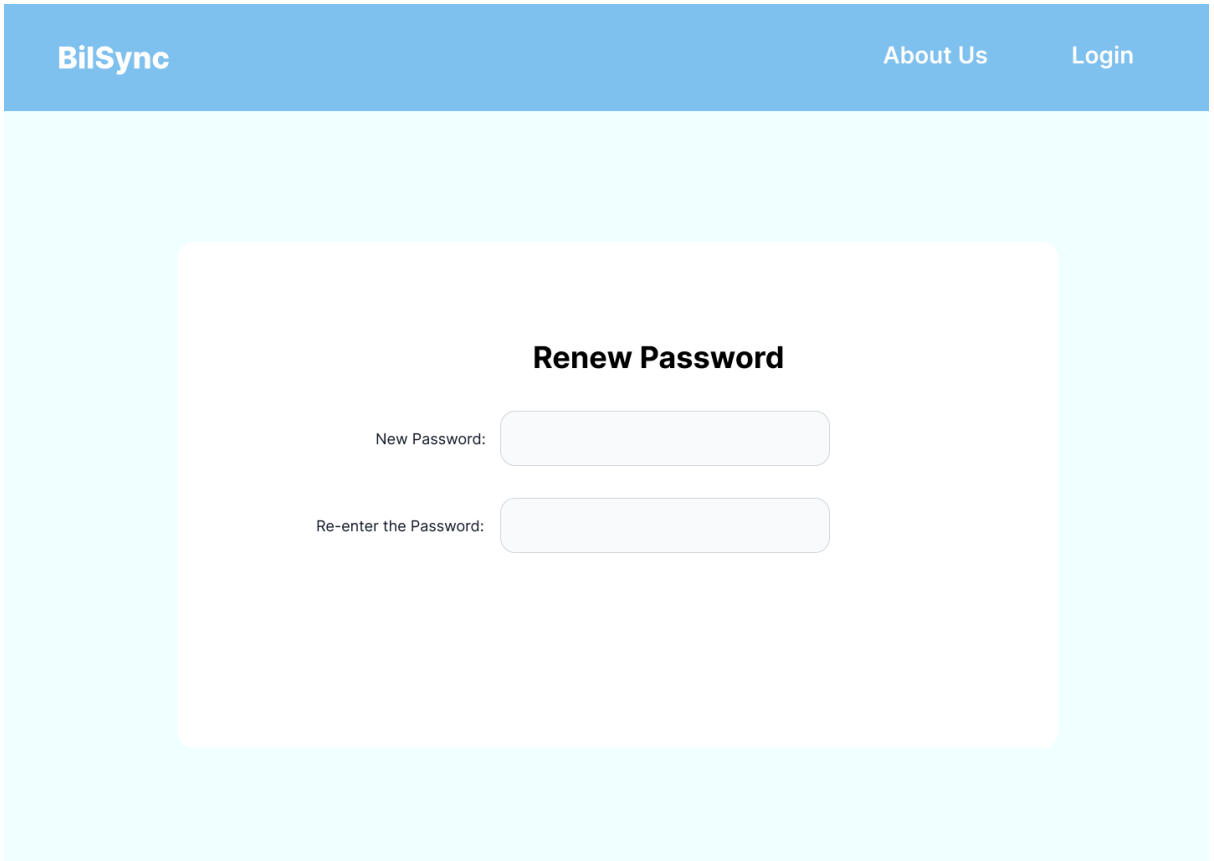
Visual Mock-Up

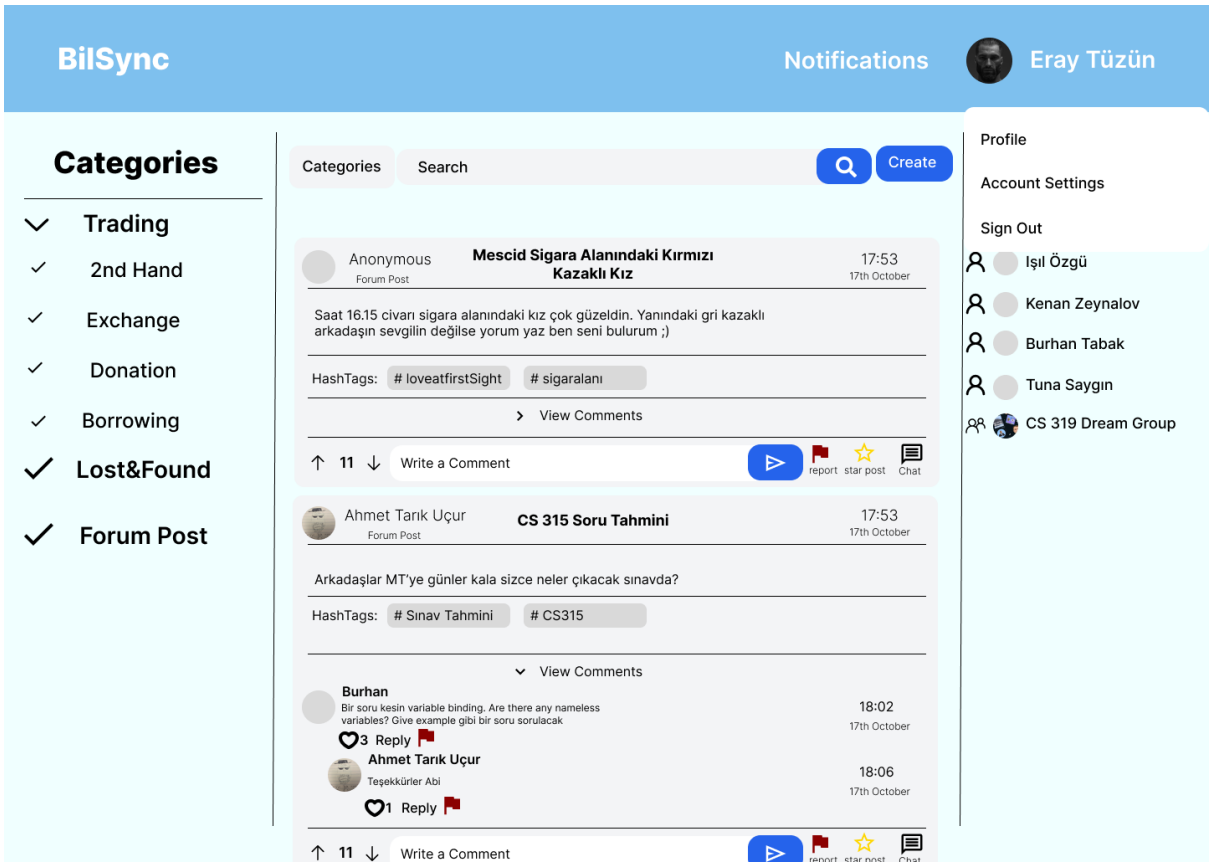
Login Screen

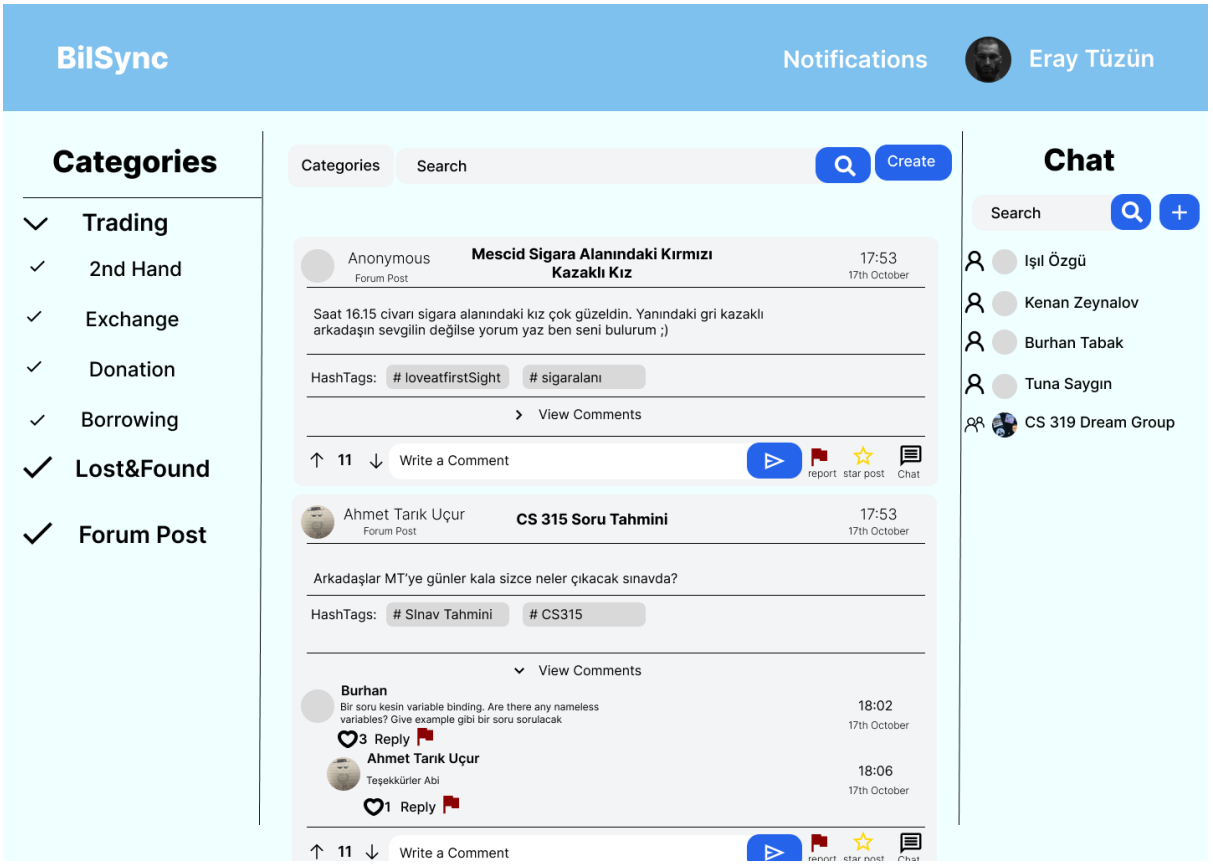




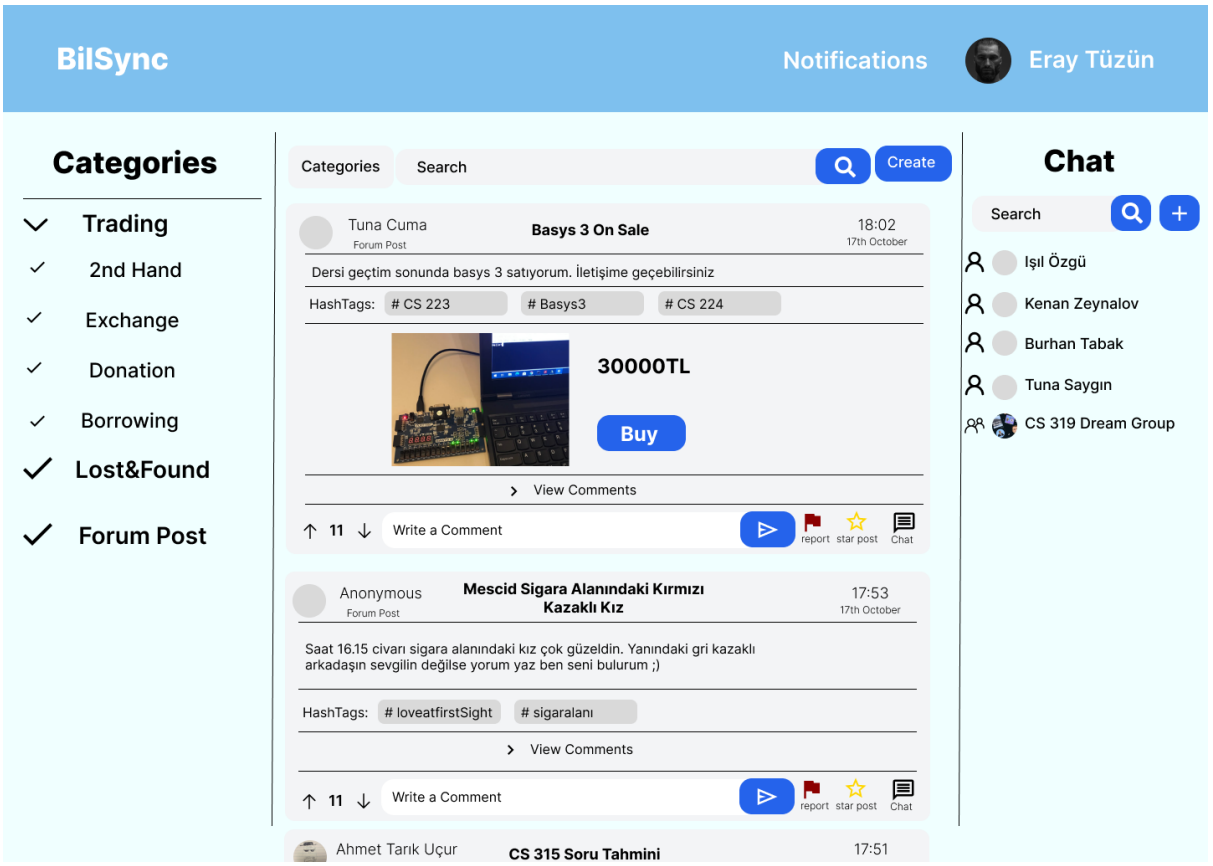

BilSync
About Us
Login
Renew Password
New Password:
Re-enter the Password:

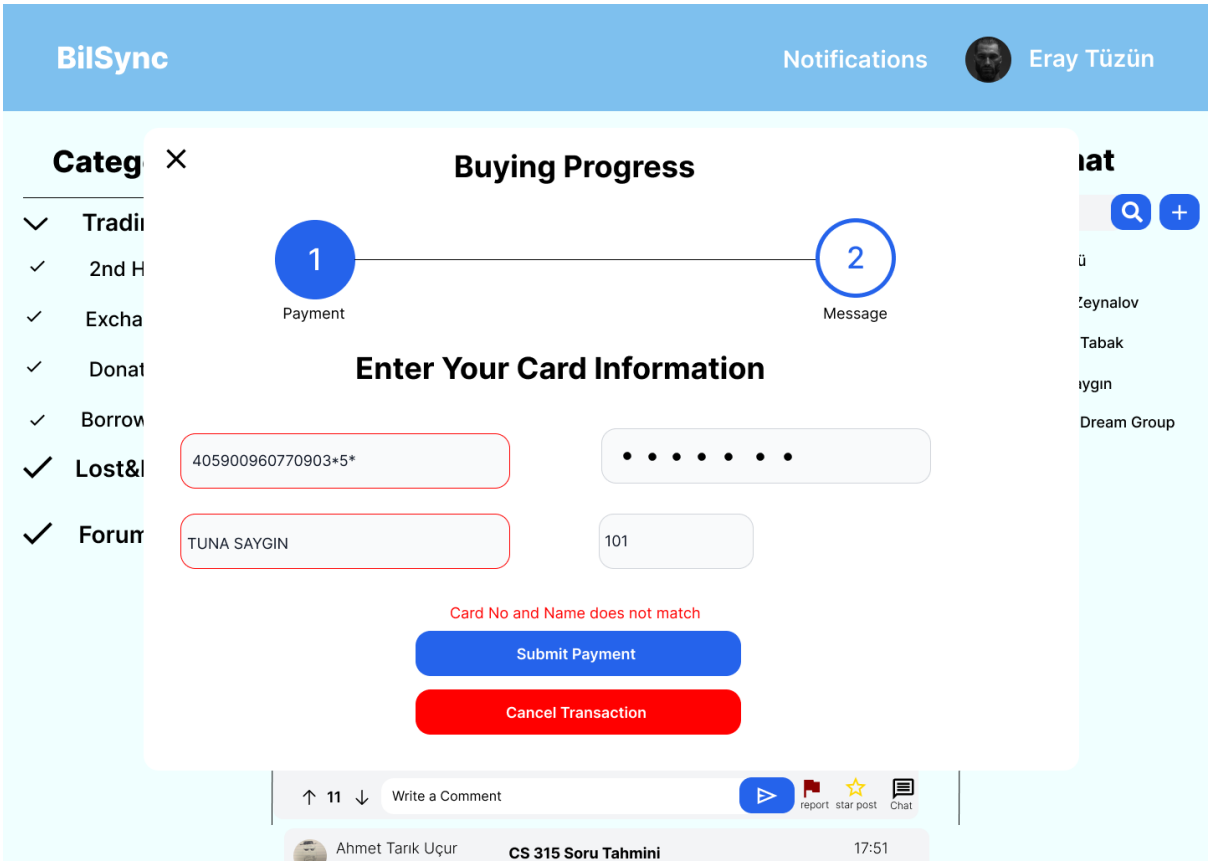
Main Menu

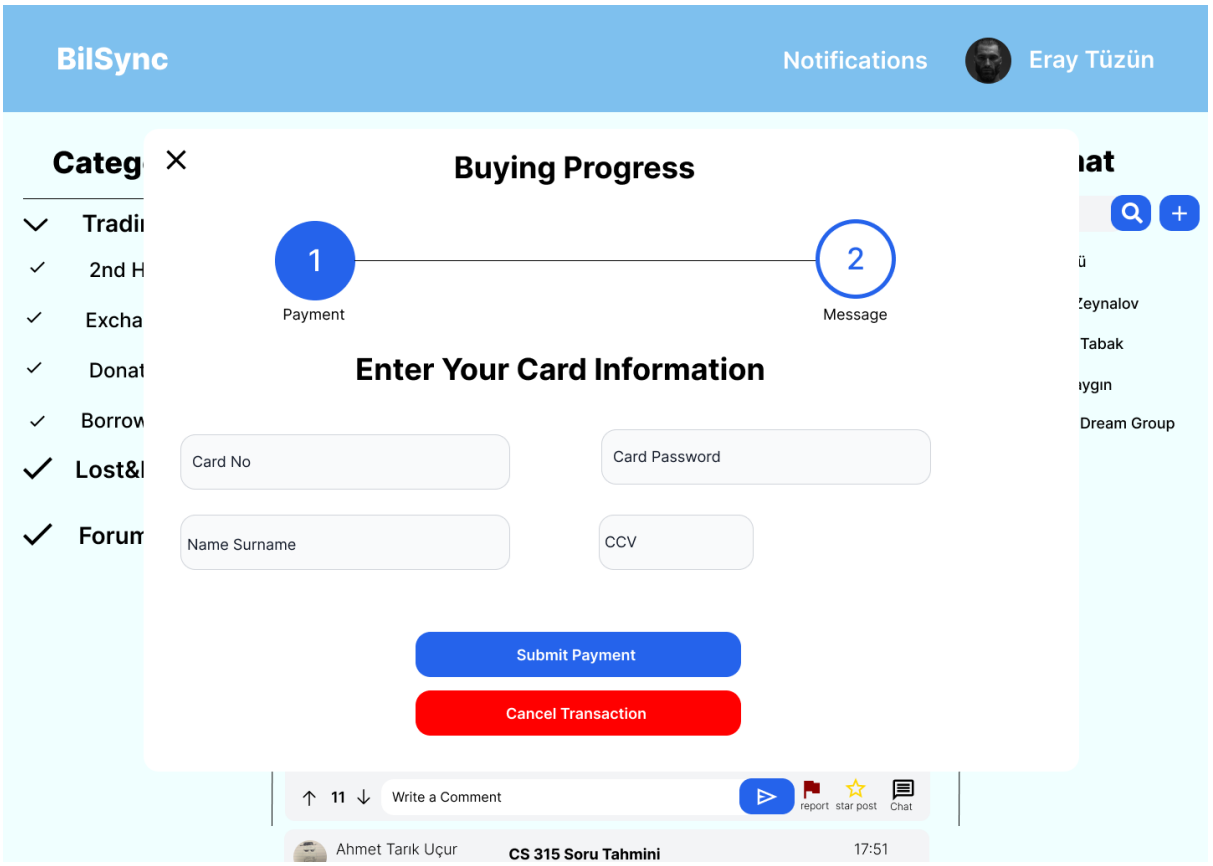

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Categories
Search
Create
Anonymous
Forum Post
Mescid Sigara Alanındaki Kırmızı Kazaklı Kız
17:53
17th October
Saat 16.15 civarı sigara alanındaki kız çok güzeldin. Yanındaki gri kazaklı arkadaşın sevgilin değilse yorum yaz ben seni bulurum ;)
HashTags: # loveatfirstSight # sigaralanı
View Comments
11
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
Forum Post
CS 315 Soru Tahmini
17:53
17th October
Arkadaşlar MT'ye günler kala sizce neler çıkacak sınavda?
HashTags: # Sınav Tahmini # CS315
View Comments
Burhan
Bir soru kesin variable binding. Are there any nameless variables? Give example gibi bir soru sorulacak
18:02
17th October
3 Reply
Ahmet Tarık Uçur
Teşekkürler Abi
18:06
17th October
1 Reply
11
Write a Comment
Profile
Account Settings
Sign Out
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

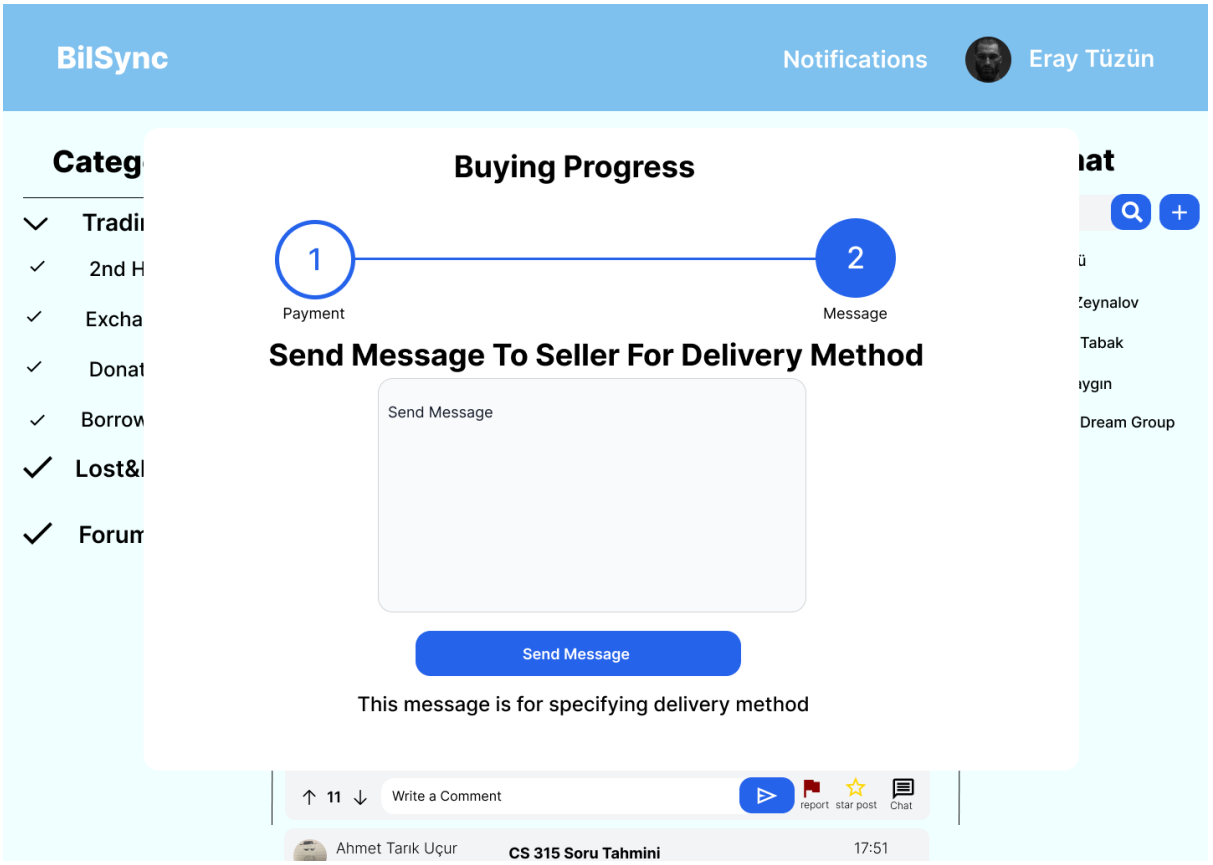


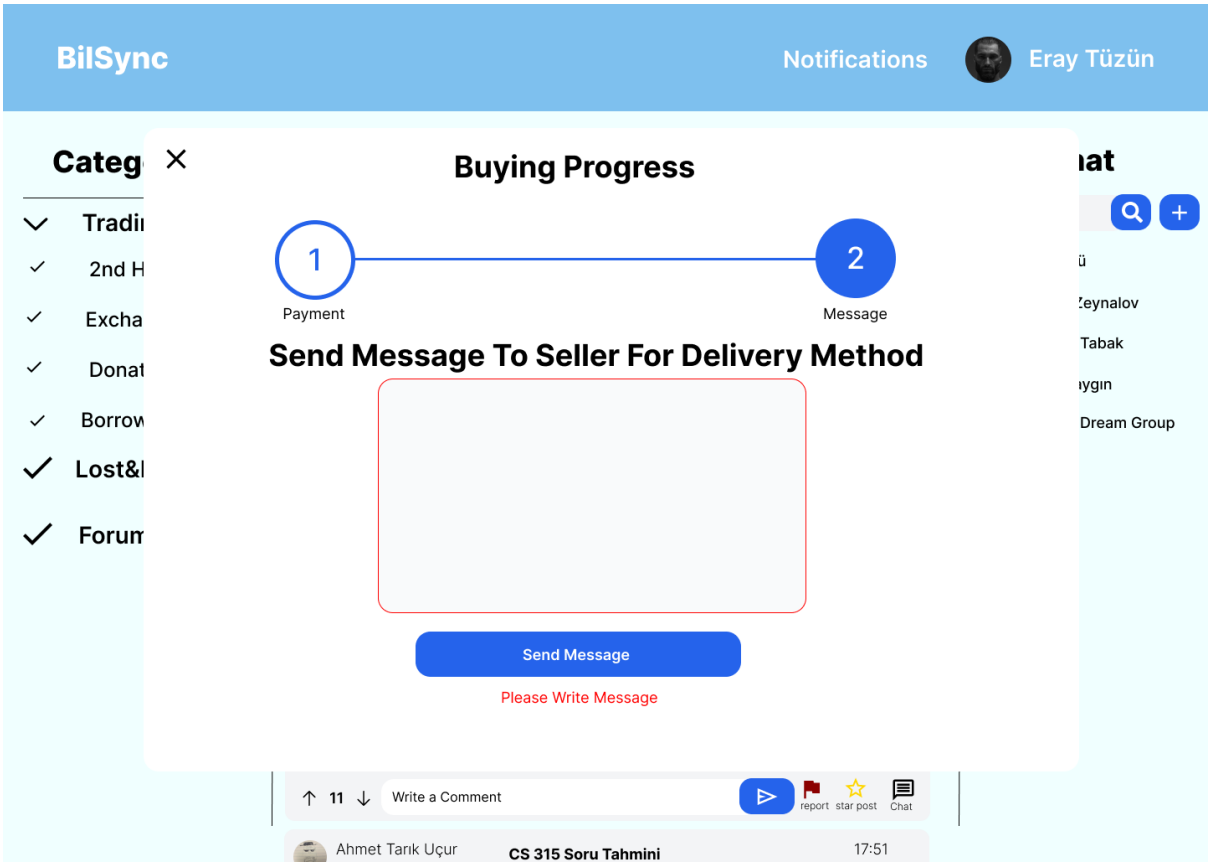
2nd Hand Post Interactions

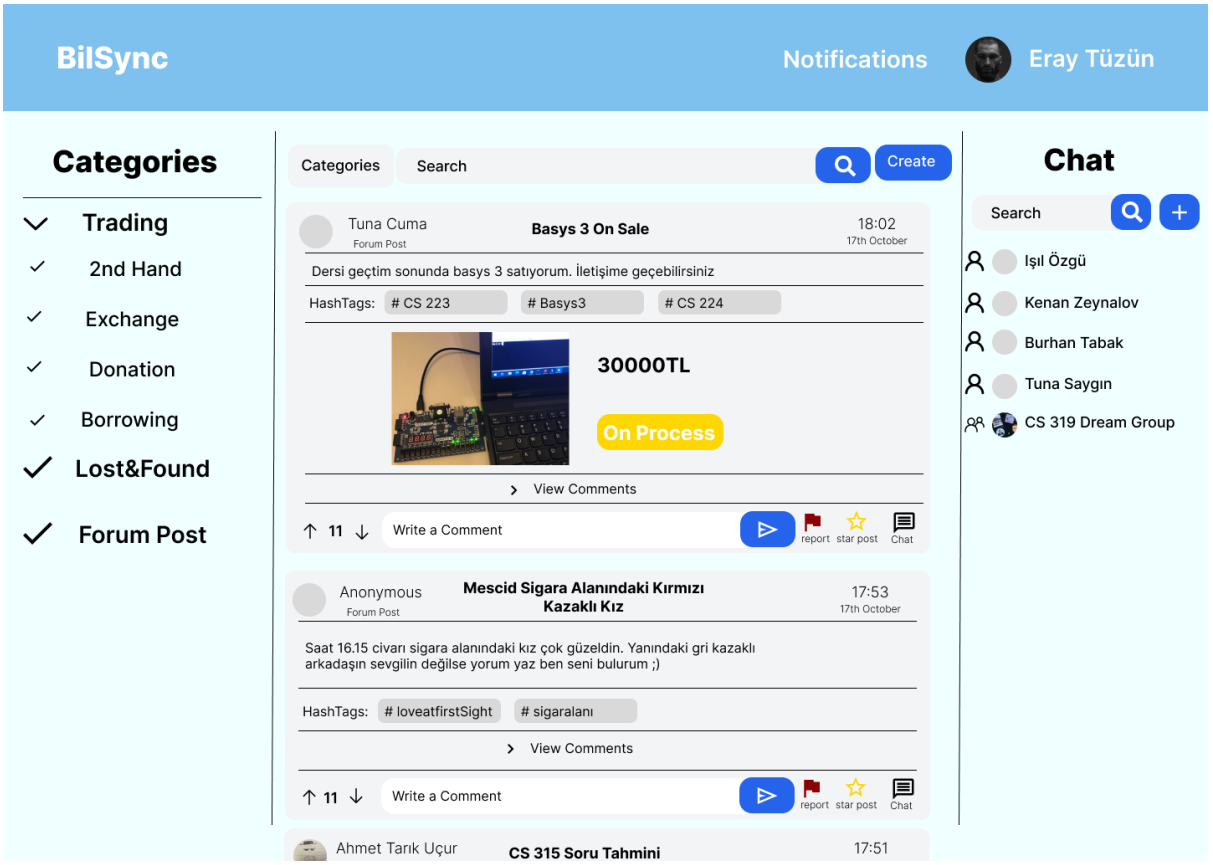


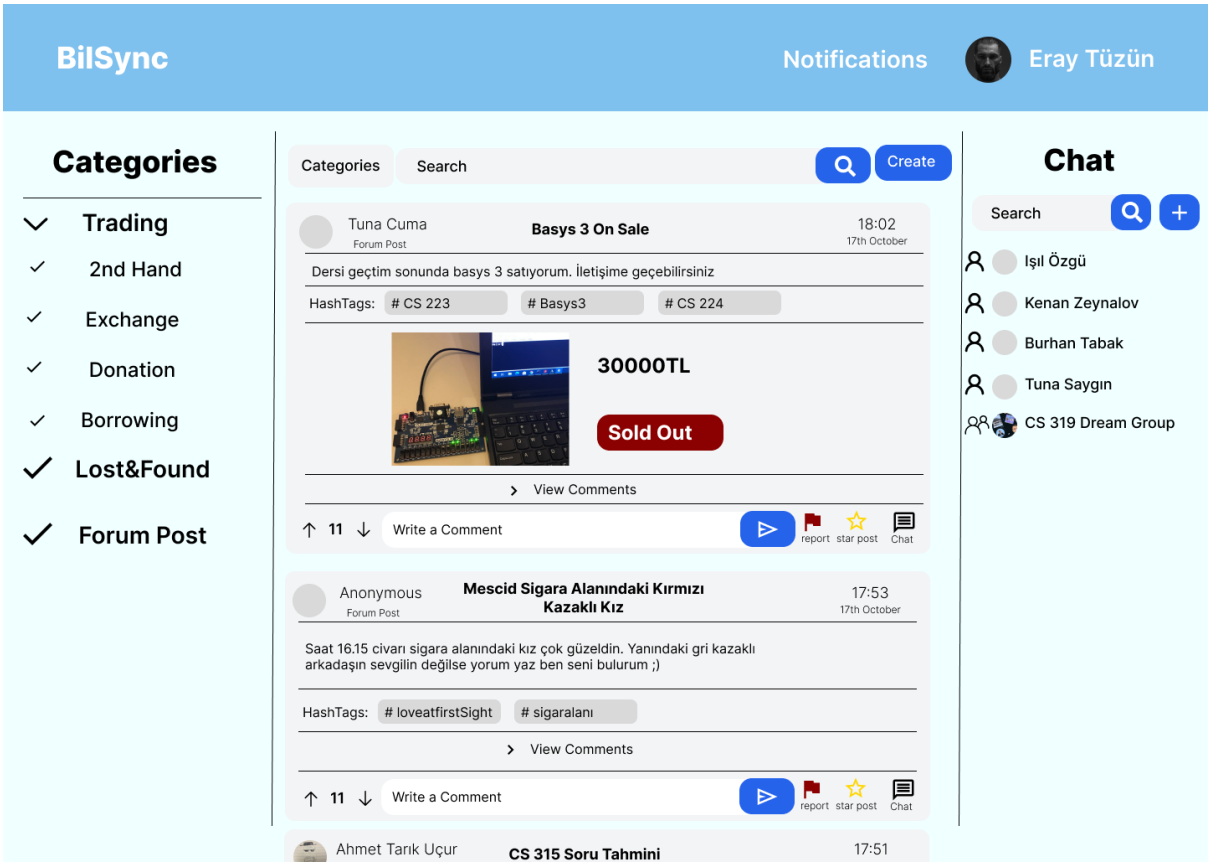

BilSync
Notifications
Eray Tüzün
Buying Progress
1
Payment
2
Message
Enter Your Card Information
405900960770903*5*
TUNA SAYGIN
101
Card No and Name does not match
Submit Payment
Cancel Transaction
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

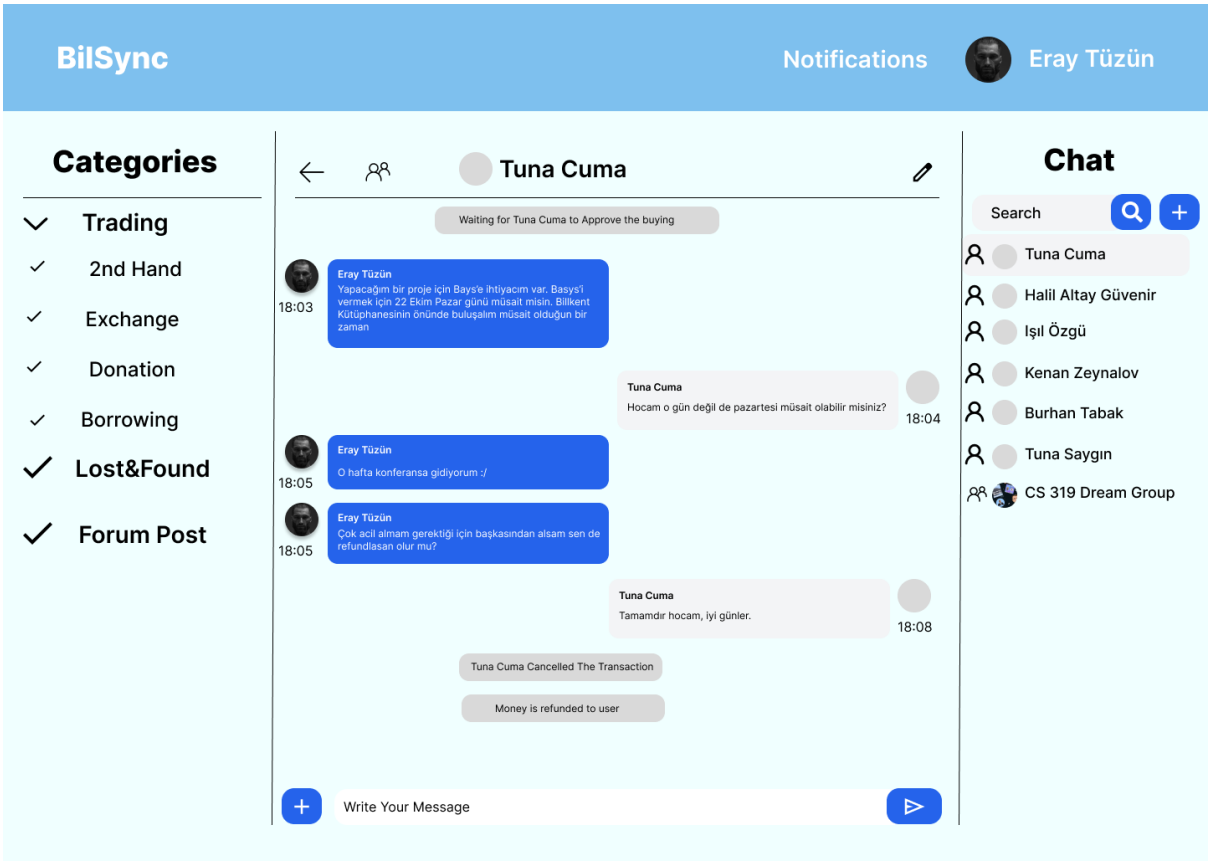

BilSync
Notifications
Eray Tüzün
Buying Progress
1
Payment
2
Message
Enter Your Card Information
Card No
Card Password
Name Surname
CCV
Submit Payment
Cancel Transaction
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

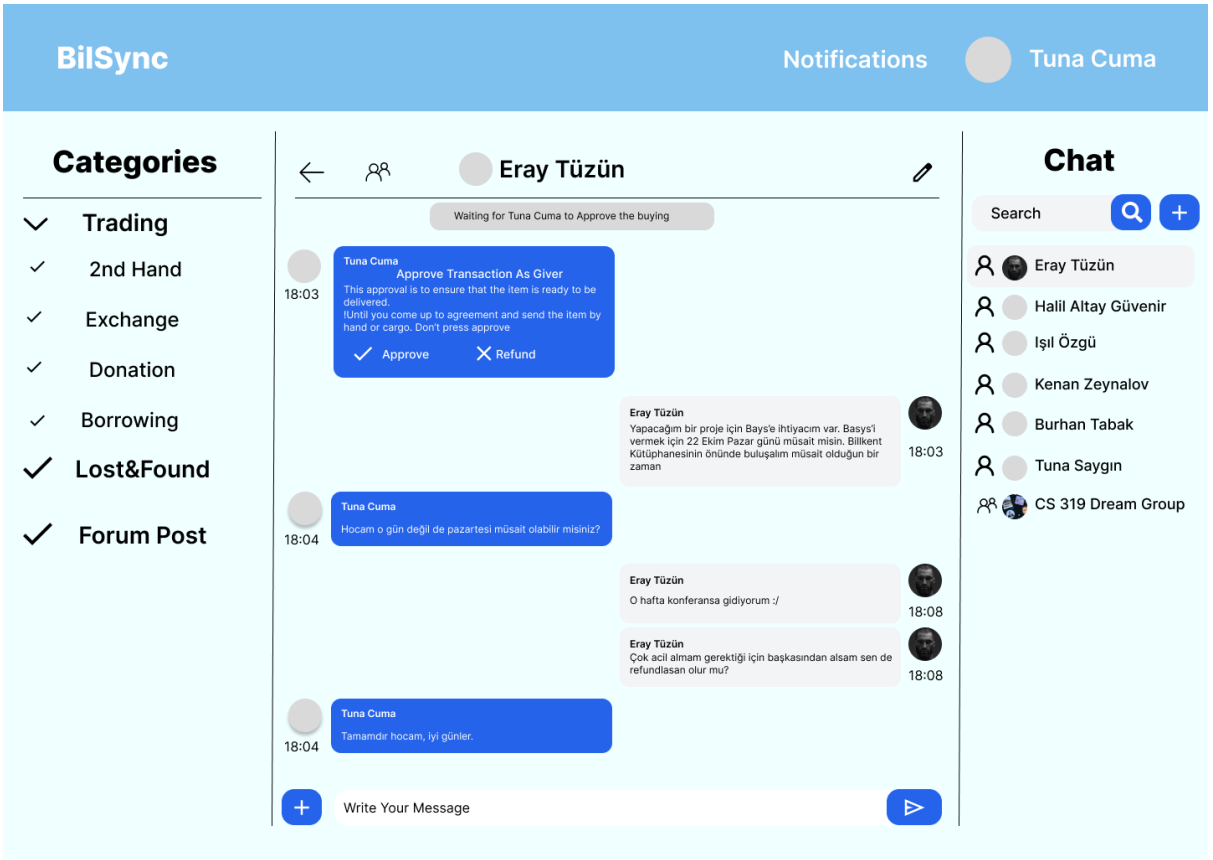

BilSync
Notifications
Eray Tüzün
Buying Progress
1
Payment
2
Message
Send Message To Seller For Delivery Method
Send Message
Send Message
This message is for specifying delivery method
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

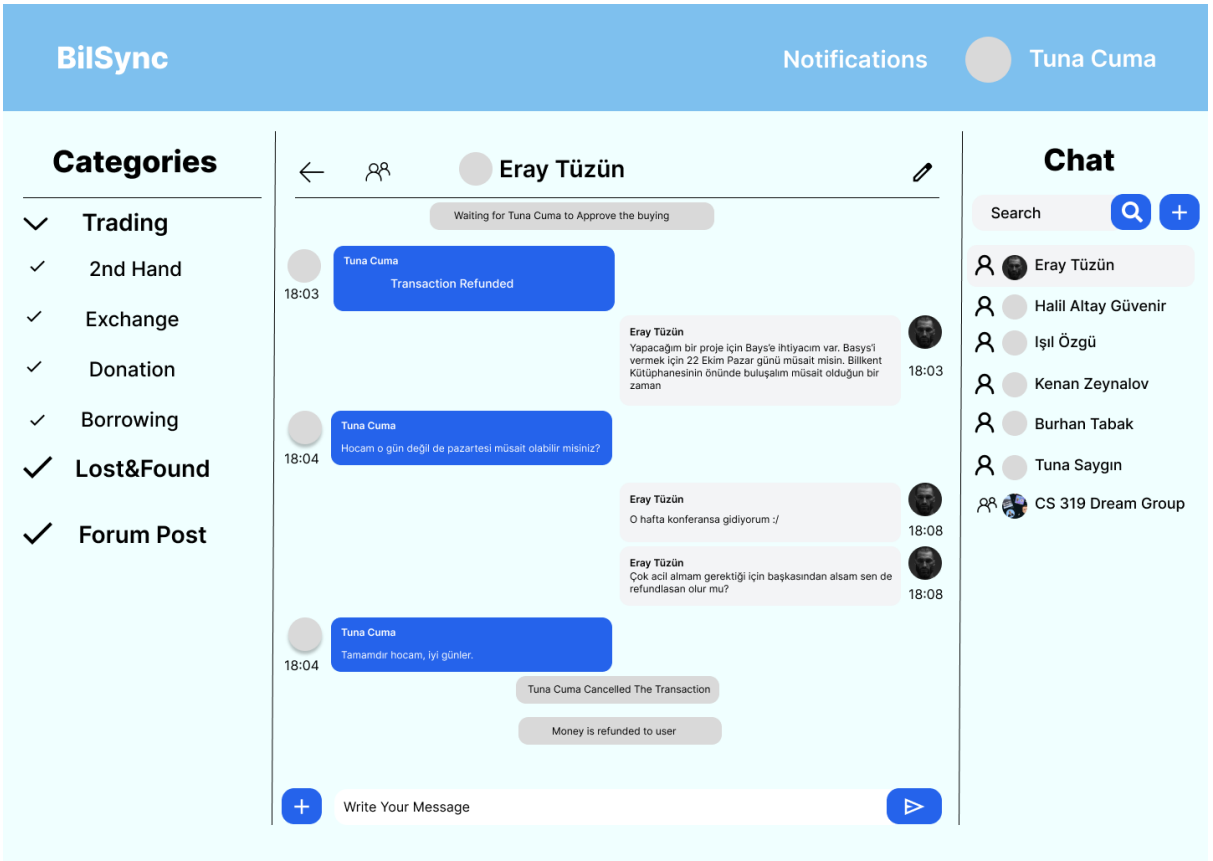

BilSync
Notifications
Eray Tüzün
Buying Progress
1
Payment
2
Message
Send Message To Seller For Delivery Method
Send Message
Please Write Message
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

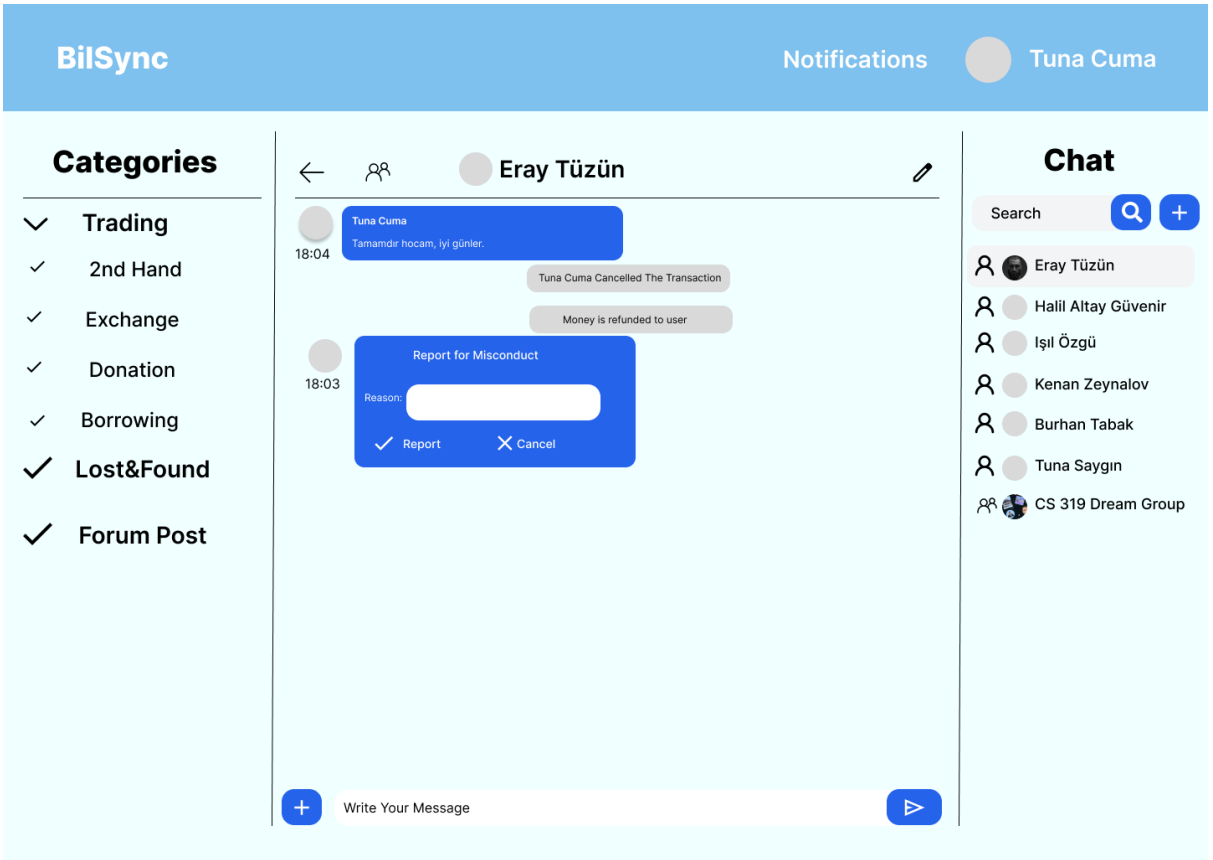

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Categories
Search
Create
Tuna Cuma
Forum Post
Basys 3 On Sale
18:02
17th October
Dersi geçtim sonunda basys 3 satıyorum. İletişime geçebilirsiniz
HashTags:
CS 223
Basys3
CS 224
30000TL
On Process
View Comments
11
Write a Comment
report
star post
Chat
Anonymous
Forum Post
Mescid Sigara Alanındaki Kırmızı Kazaklı Kız
17:53
17th October
Saat 16.15 civarı sigara alanındaki kız çok güzeldin. Yanındaki gri kazaklı arkadaşın sevgilin değilse yorum yaz ben seni bulurum ;)
HashTags:
loveatfirstSight
sigaralanı
View Comments
11
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group


BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Categories
Search
Create
Tuna Cuma
Forum Post
Basys 3 On Sale
18:02
17th October
Dersi geçtim sonunda basys 3 satıyorum. İletişime geçebilirsiniz
HashTags:
CS 223
Basys3
CS 224
30000TL
Sold Out
View Comments
11
Write a Comment
report
star post
Chat
Anonymous
Forum Post
Mescid Sigara Alanındaki Kırmızı Kazaklı Kız
17:53
17th October
Saat 16.15 civarı sigara alanındaki kız çok güzeldin. Yanındaki gri kazaklı arkadaşın sevgilin değilse yorum yaz ben seni bulurum ;)
HashTags:
loveatfirstSight
sigaralanı
View Comments
11
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

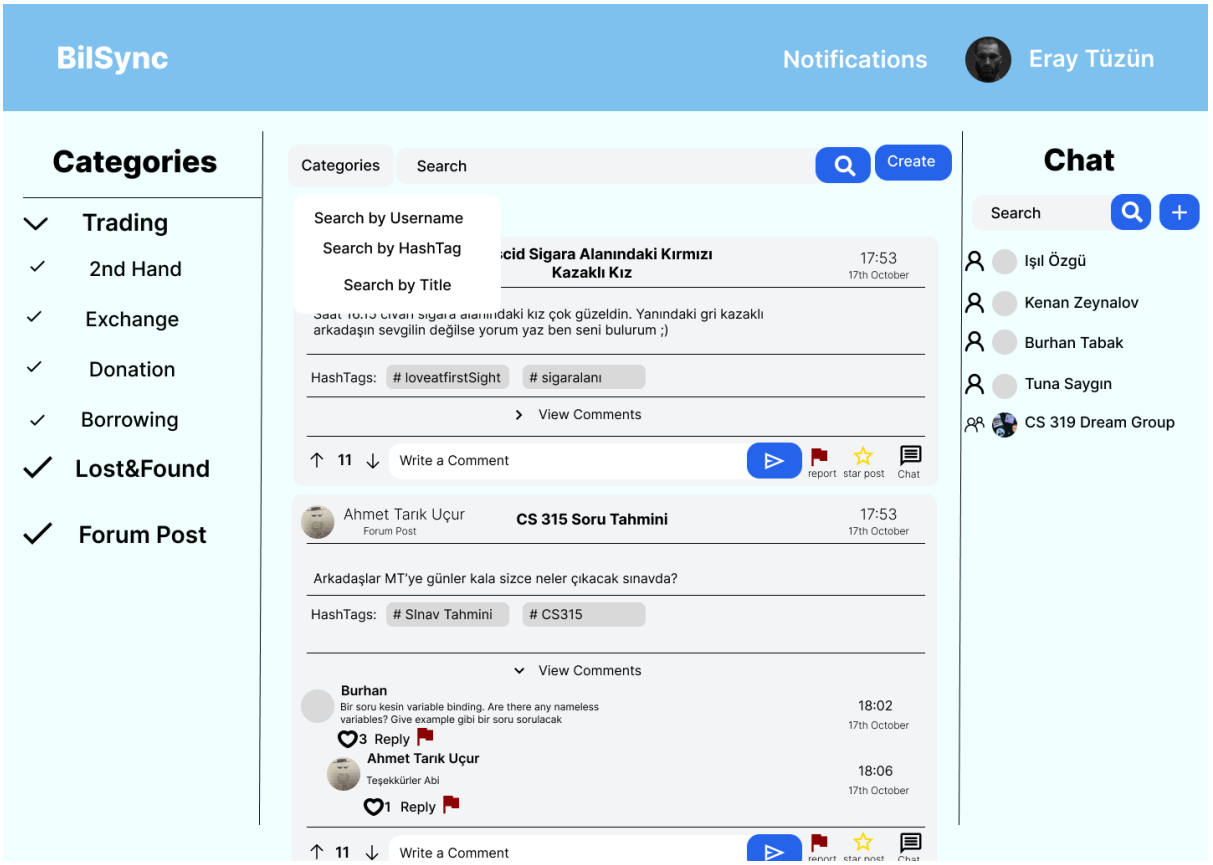

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Tuna Cuma
Waiting for Tuna Cuma to Approve the buying
Eray Tüzün
Yapacağım bir proje için Bays'e ihtiyacım var. Basys'i vermek için 22 Ekim Pazar günü müsait misin. Billkent Kütüphanesinin önünde buluşalım müsait olduğun bir zaman
18:03
Tuna Cuma
Hocam o gün değil de pazartesi müsait olabilir misiniz?
18:04
Eray Tüzün
O hafta konferansa gidiyorum :/
18:05
Eray Tüzün
Çok acil almam gerektiği için başkasından alsam sen de refundlasan olur mu?
18:05
Tuna Cuma
Tamamdır hocam, iyi günler.
18:08
Tuna Cuma Cancelled The Transaction
Money is refunded to user
Write Your Message
Chat
Search
Tuna Cuma
Halil Altay Güvenir
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

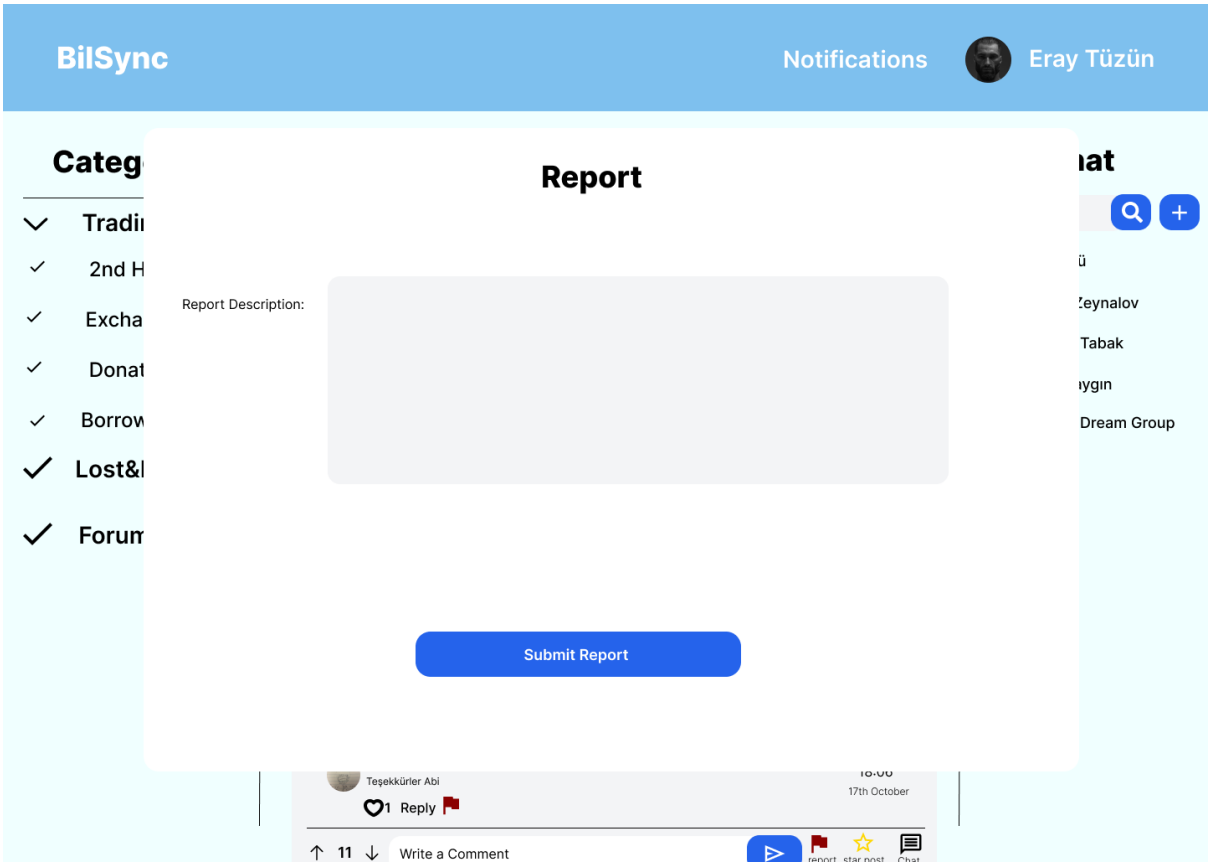

BilSync
Notifications
Tuna Cuma
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Eray Tüzün
Waiting for Tuna Cuma to Approve the buying
Tuna Cuma
Approve Transaction As Giver
This approval is to ensure that the item is ready to be delivered.
!Until you come up to agreement and send the item by hand or cargo. Don't press approve
Approve
Refund
18:03
Eray Tüzün
Yapacağım bir proje için Bays'e ihtiyacım var. Basys'i vermek için 22 Ekim Pazar günü müsait misin. Billkent Kütüphanesinin önünde buluşalım müsait olduğun bir zaman
18:03
Tuna Cuma
Hocam o gün değil de pazartesi müsait olabilir misiniz?
18:04
Eray Tüzün
O hafta konferansa gidiyorum :/
18:08
Eray Tüzün
Çok acil almam gerektiği için başkasından alsam sen de refundlasan olur mu?
18:08
Tuna Cuma
Tamamdır hocam, iyi günler.
18:04
Write Your Message
Chat
Search
Eray Tüzün
Halil Altay Güvenir
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group


BilSync
Notifications
Tuna Cuma
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Eray Tüzün
Waiting for Tuna Cuma to Approve the buying
Tuna Cuma
Transaction Refunded
18:03
Eray Tüzün
Yapacağım bir proje için Bays'e ihtiyacım var. Basys'i vermek için 22 Ekim Pazar günü müsait misin. Billkent Kütüphanesinin önünde buluşalım müsait olduğun bir zaman
18:03
Tuna Cuma
Hocam o gün değil de pazartesi müsait olabilir misiniz?
18:04
Eray Tüzün
O hafta konferansa gidiyorum :/
18:08
Eray Tüzün
Çok acil almam gerektiği için başkasından alsam sen de refundlasan olur mu?
18:08
Tuna Cuma
Tamamdır hocam, iyi günler.
18:04
Tuna Cuma Cancelled The Transaction
Money is refunded to user
Write Your Message
Chat
Search
Eray Tüzün
Halil Altay Güvenir
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

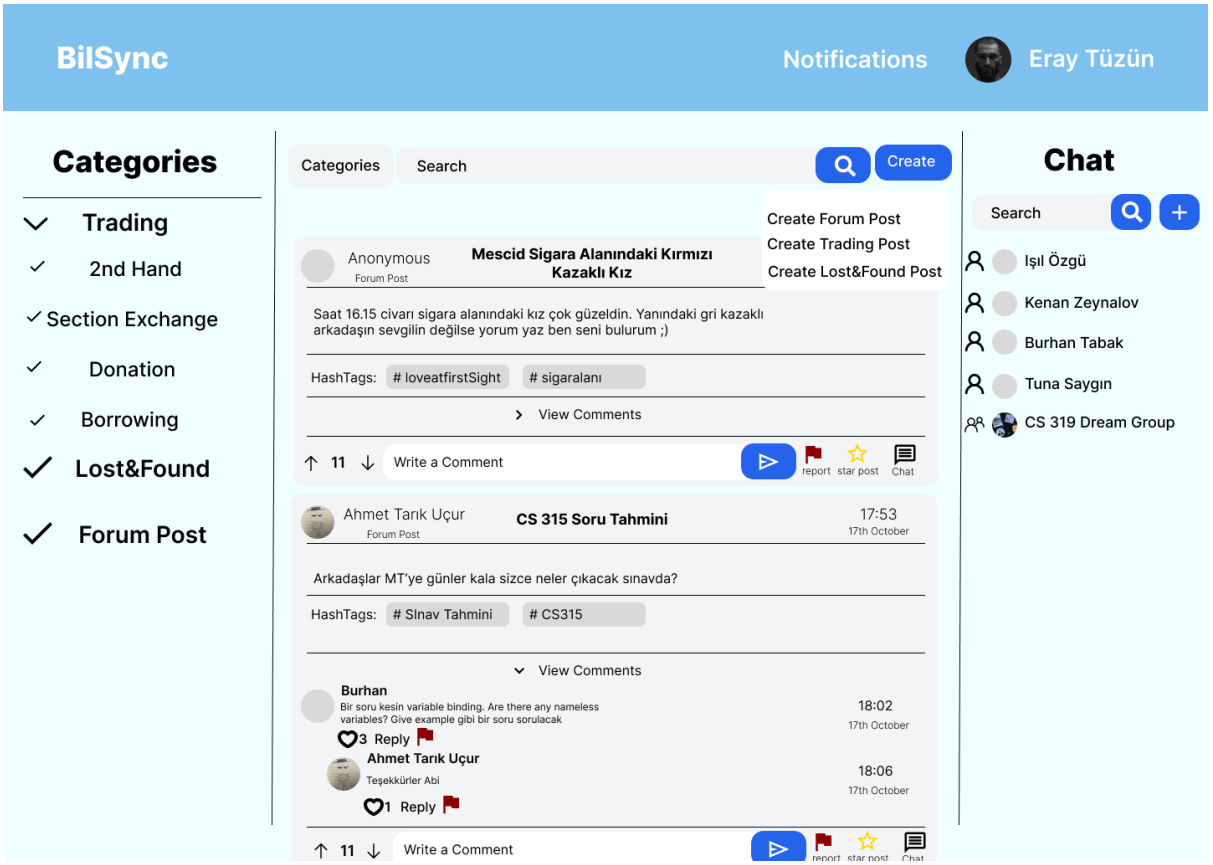

BilSync
Notifications
Tuna Cuma
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Eray Tüzün
Tuna Cuma
Tamamdır hocam, iyi günler.
18:04
Tuna Cuma Cancelled The Transaction
Money is refunded to user
Report for Misconduct
Reason:
Report
Cancel
18:03
Write Your Message
Chat
Search
Eray Tüzün
Halil Altay Güvenir
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

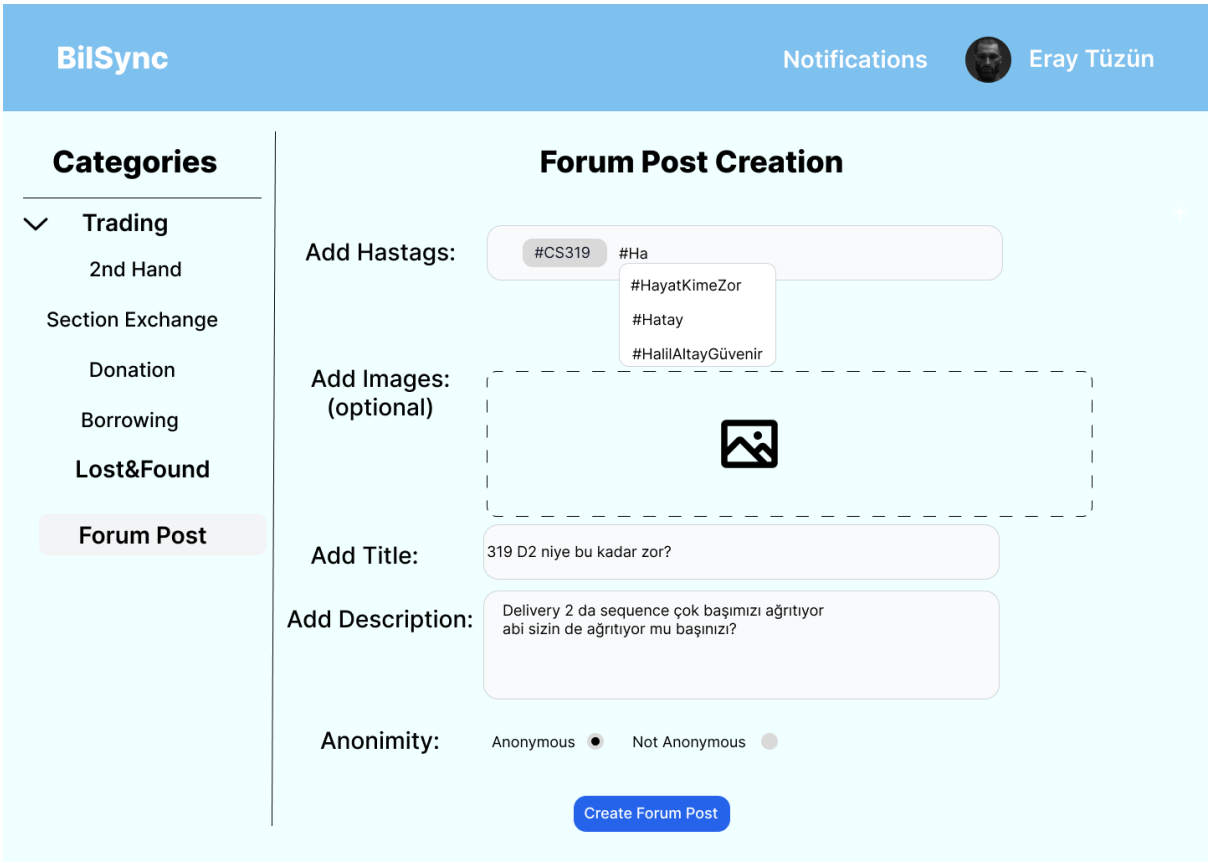
Main Menu Interactions

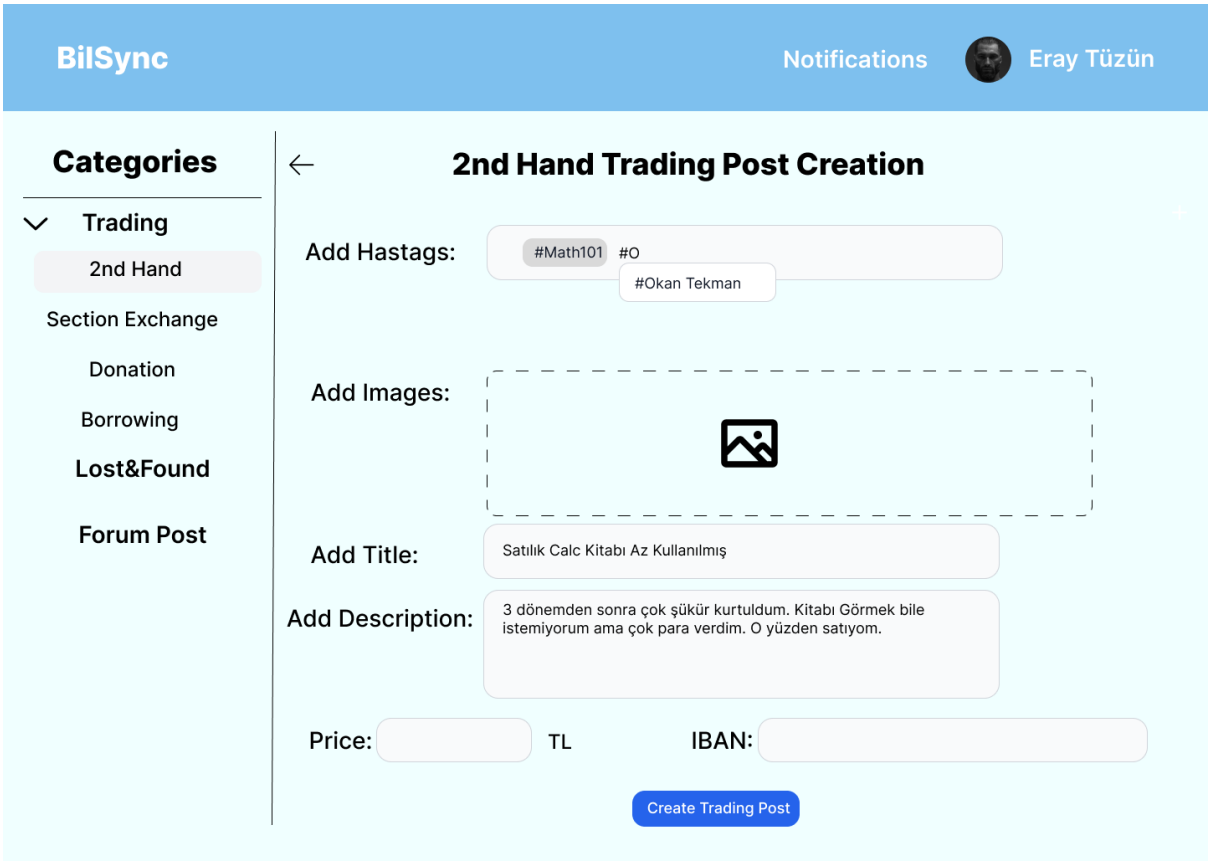


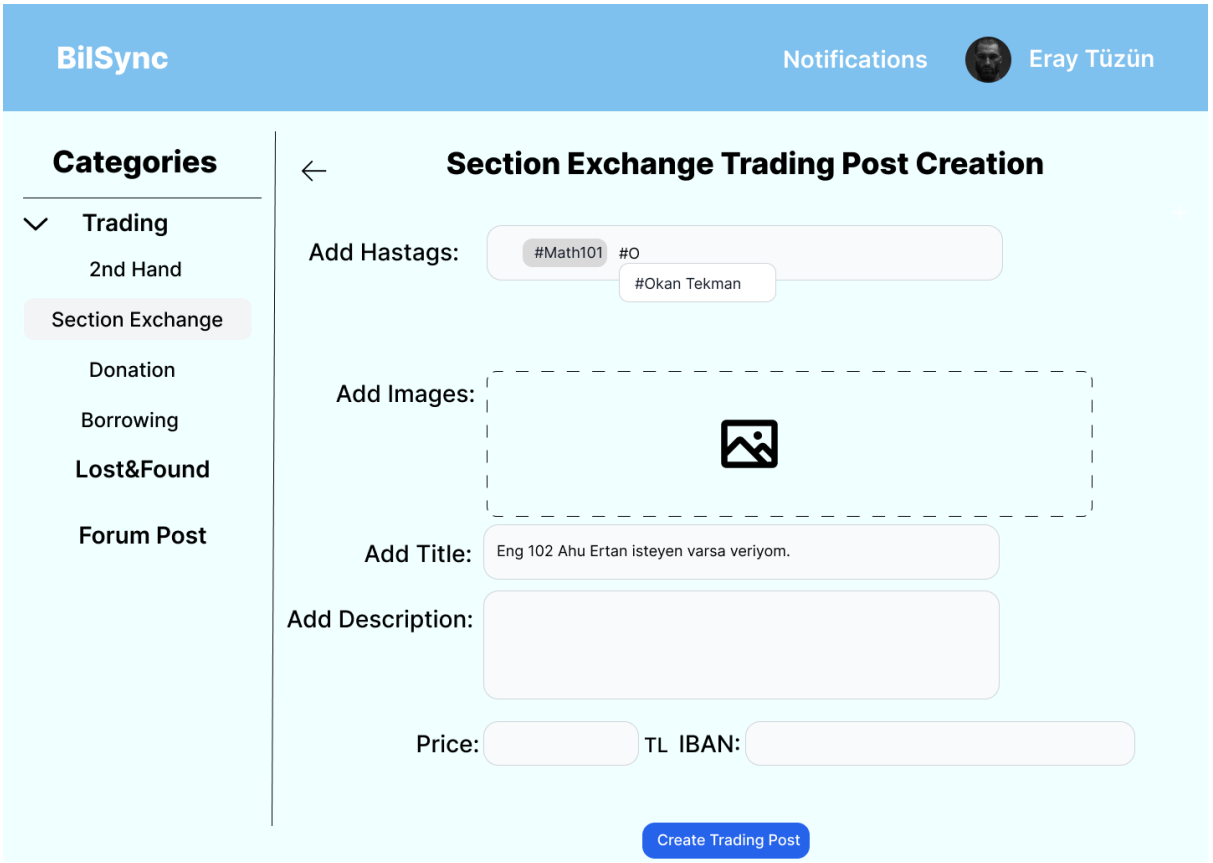


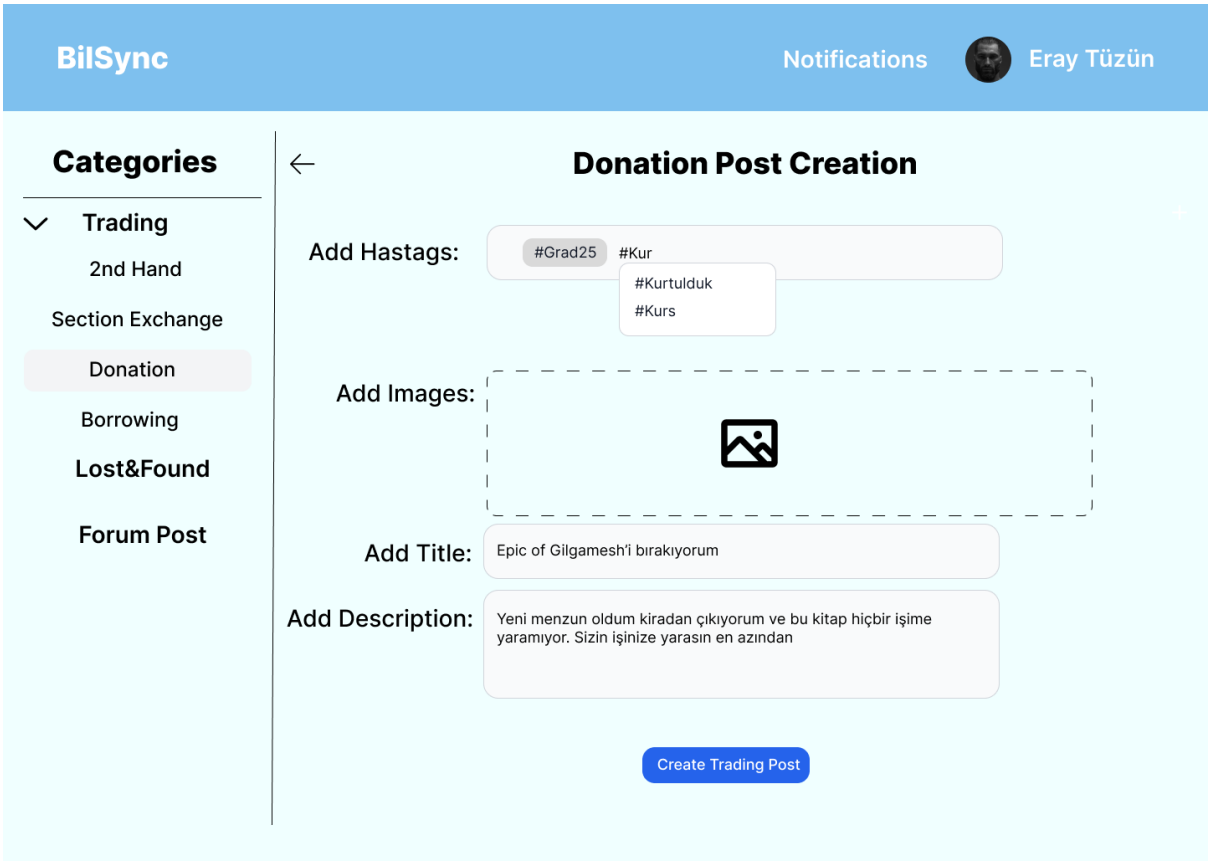
Post Creation

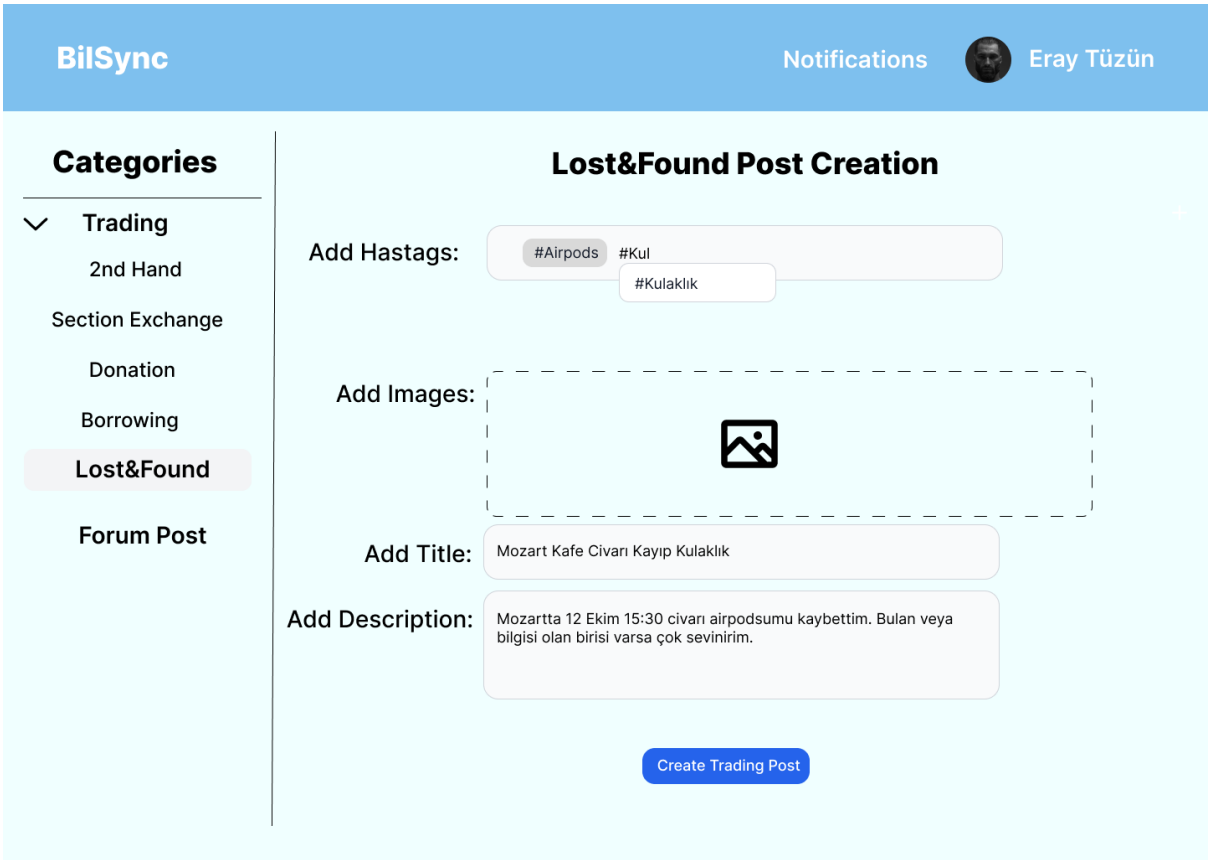




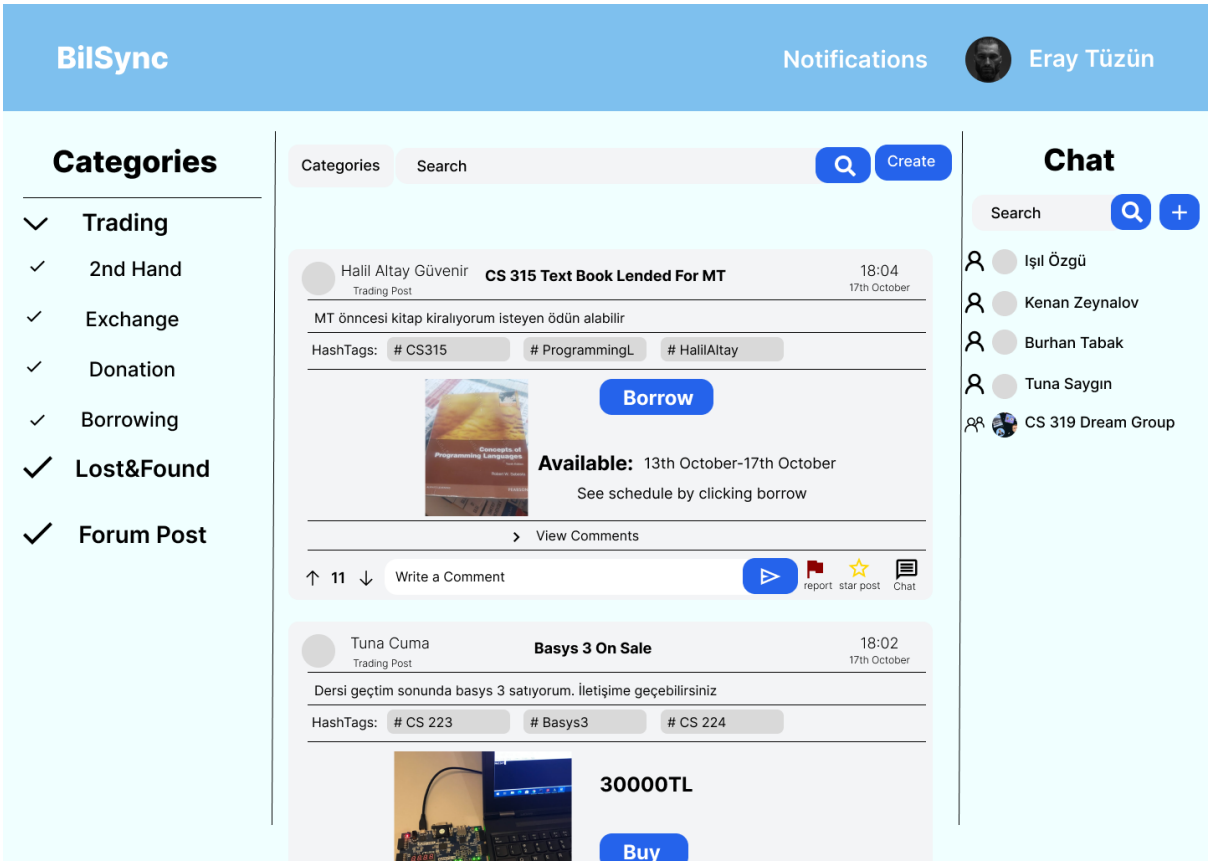

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Section Exchange
Donation
Borrowing
Lost&Found
Forum Post
2nd Hand Trading Post Creation
Add Hastags:
#Math101
#O
#Okan Tekman
Add Images:
Add Title:
Satılık Calc Kitabı Az Kullanılmış
Add Description:
3 dönemden sonra çok şükür kurtuldum. Kitabı Görmek bile istemiyorum ama çok para verdim. O yüzden satıyom.
Price:
TL
IBAN:
Create Trading Post

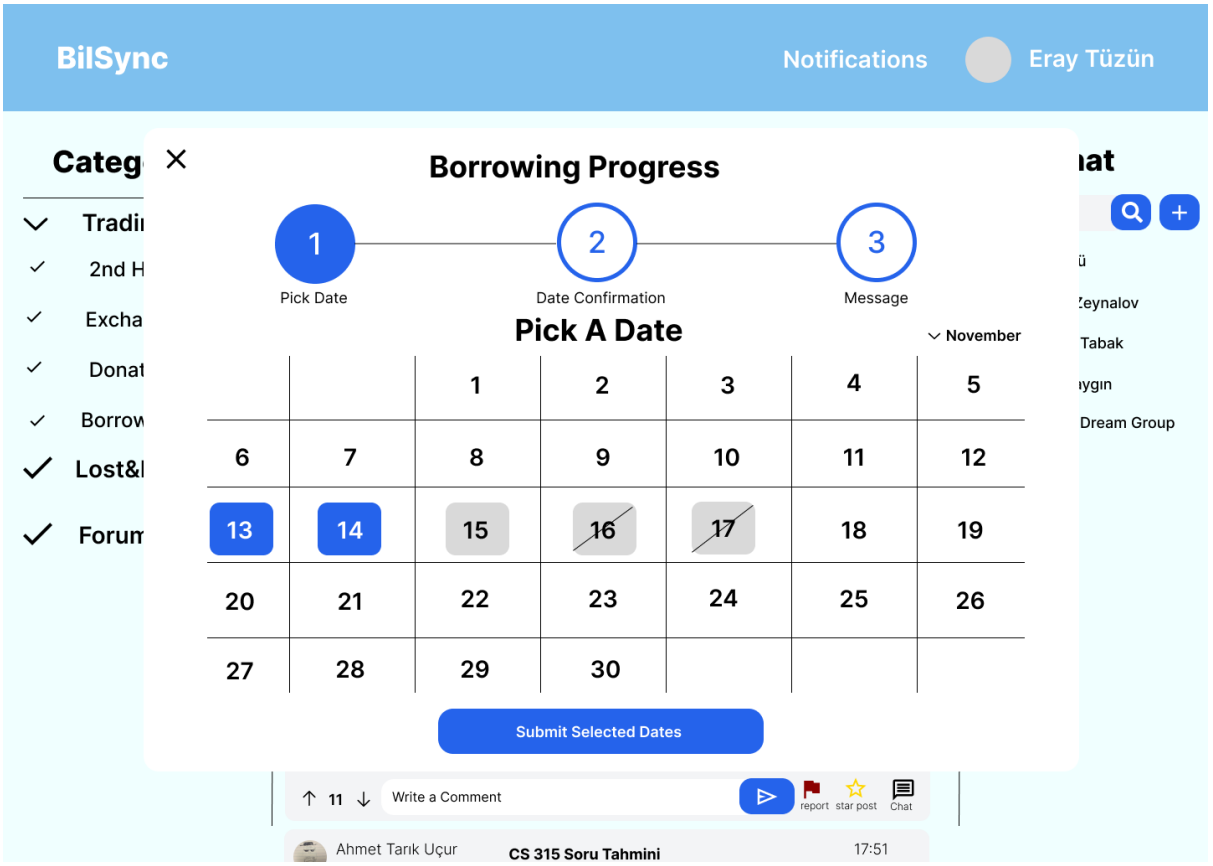

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Section Exchange
Donation
Borrowing
Lost&Found
Forum Post
Section Exchange Trading Post Creation
Add Hastags:
#Math101
#O
#Okan Tekman
Add Images:
Add Title:
Eng 102 Ahu Ertan isteyen varsa veriyom.
Add Description:
Price:
TL
IBAN:
Create Trading Post

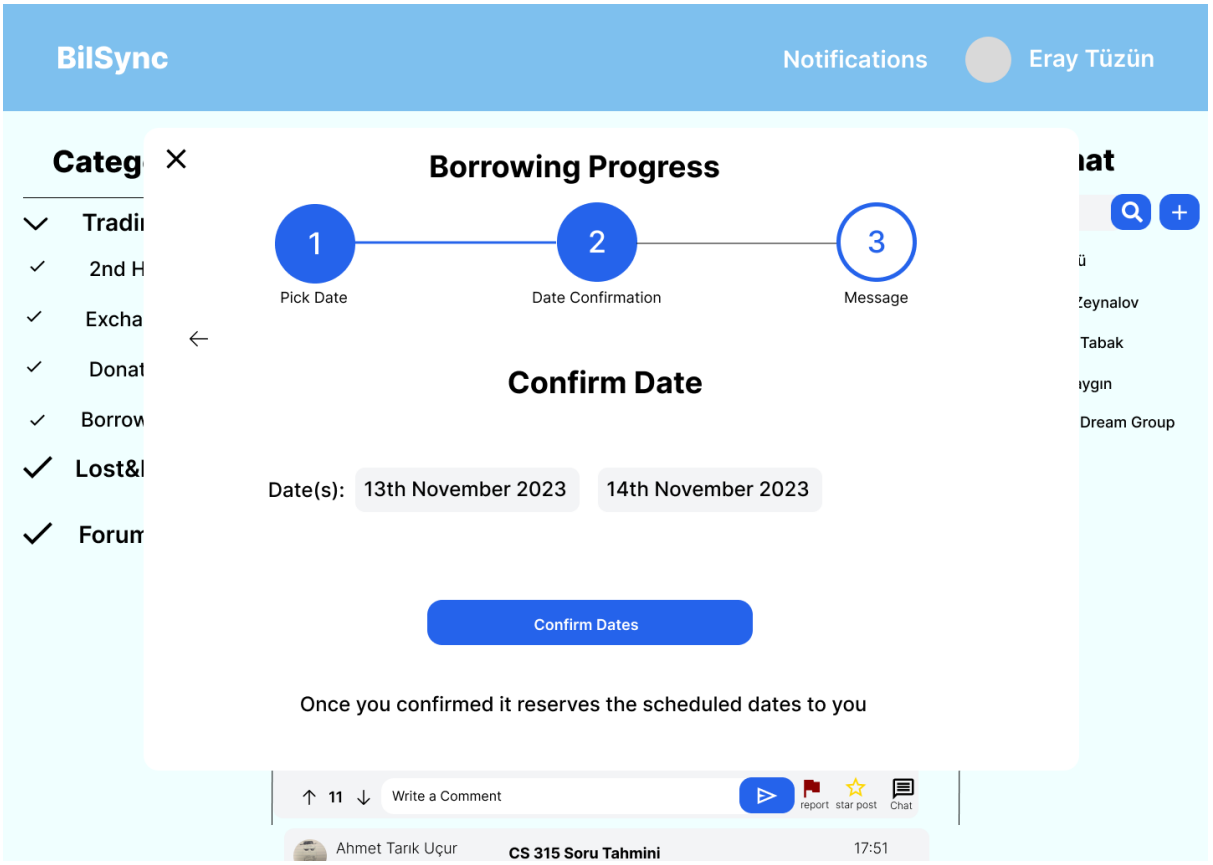

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Section Exchange
Donation
Borrowing
Lost&Found
Forum Post
Donation Post Creation
Add Hastags:
#Grad25
#Kur
#Kurtulduk
#Kurs
Add Images:
Add Title:
Epic of Gilgamesh'i bırakıyorum
Add Description:
Yeni menzun oldum kiradan çıkıyorum ve bu kitap hiçbir işime yaramıyor. Sizin işinize yarasın en azından
Create Trading Post

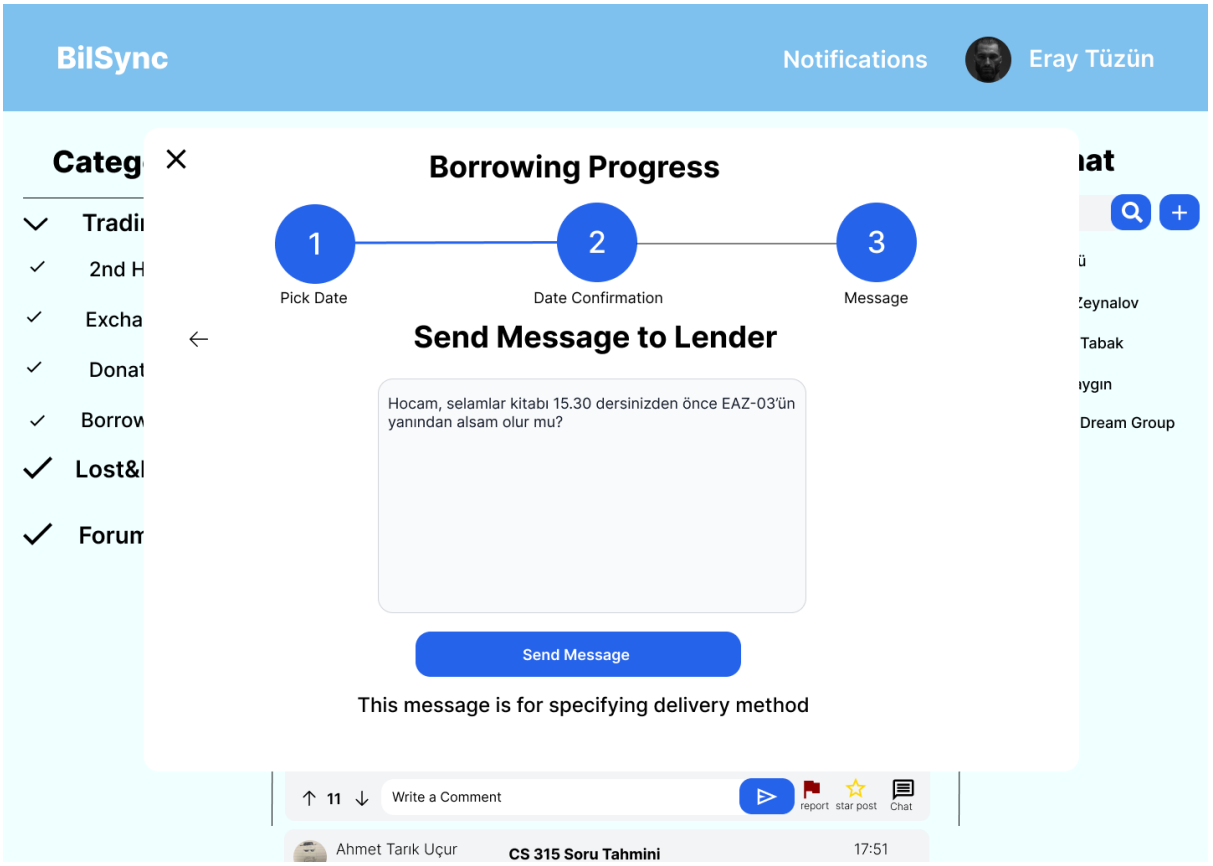

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Section Exchange
Donation
Borrowing
Lost&Found
Forum Post
Lost&Found Post Creation
Add Hastags:
#Airpods
#Kul
#Kulaklık
Add Images:
Add Title:
Mozart Kafe Civarı Kayıp Kulaklık
Add Description:
Mozartta 12 Ekim 15:30 civarı airpodsumu kaybettim. Bulan veya bilgisi olan birisi varsa çok sevinirim.
Create Trading Post

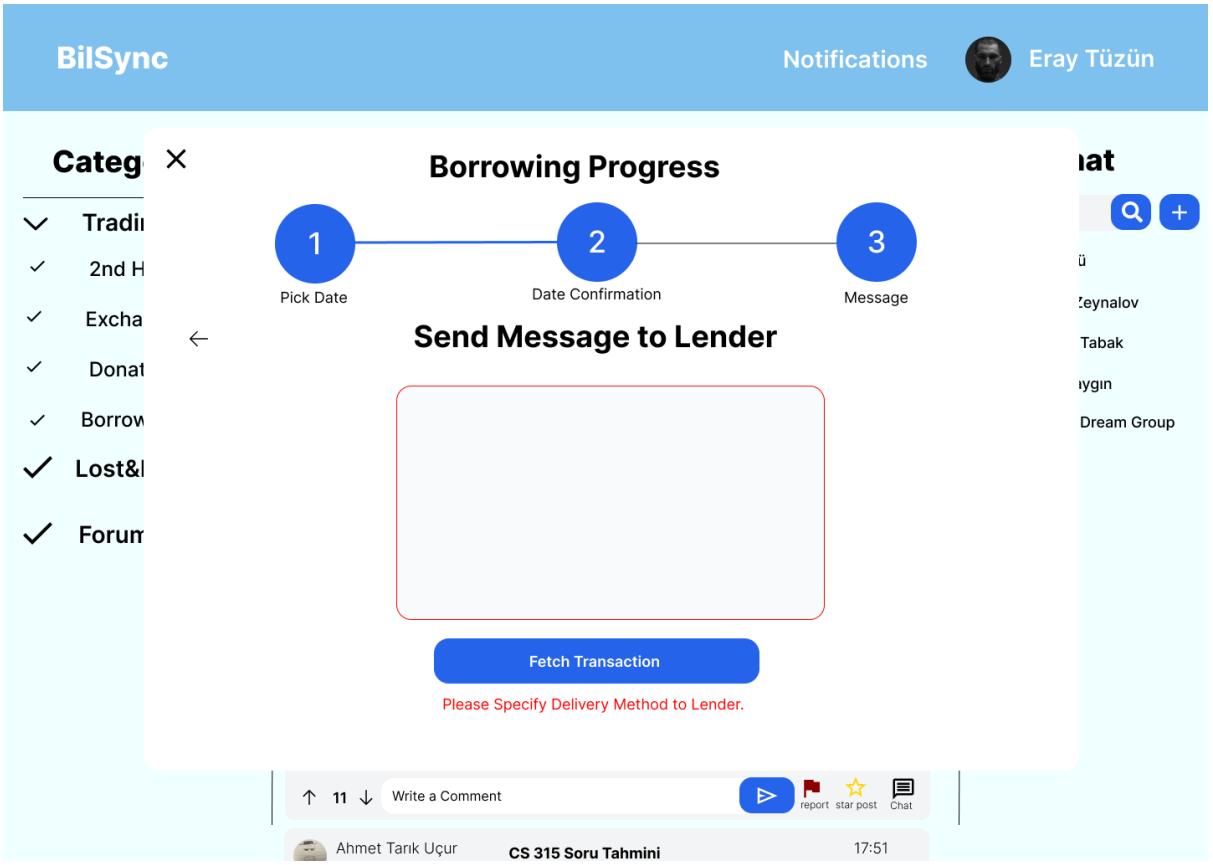
Borrow&Lend Post Interactions

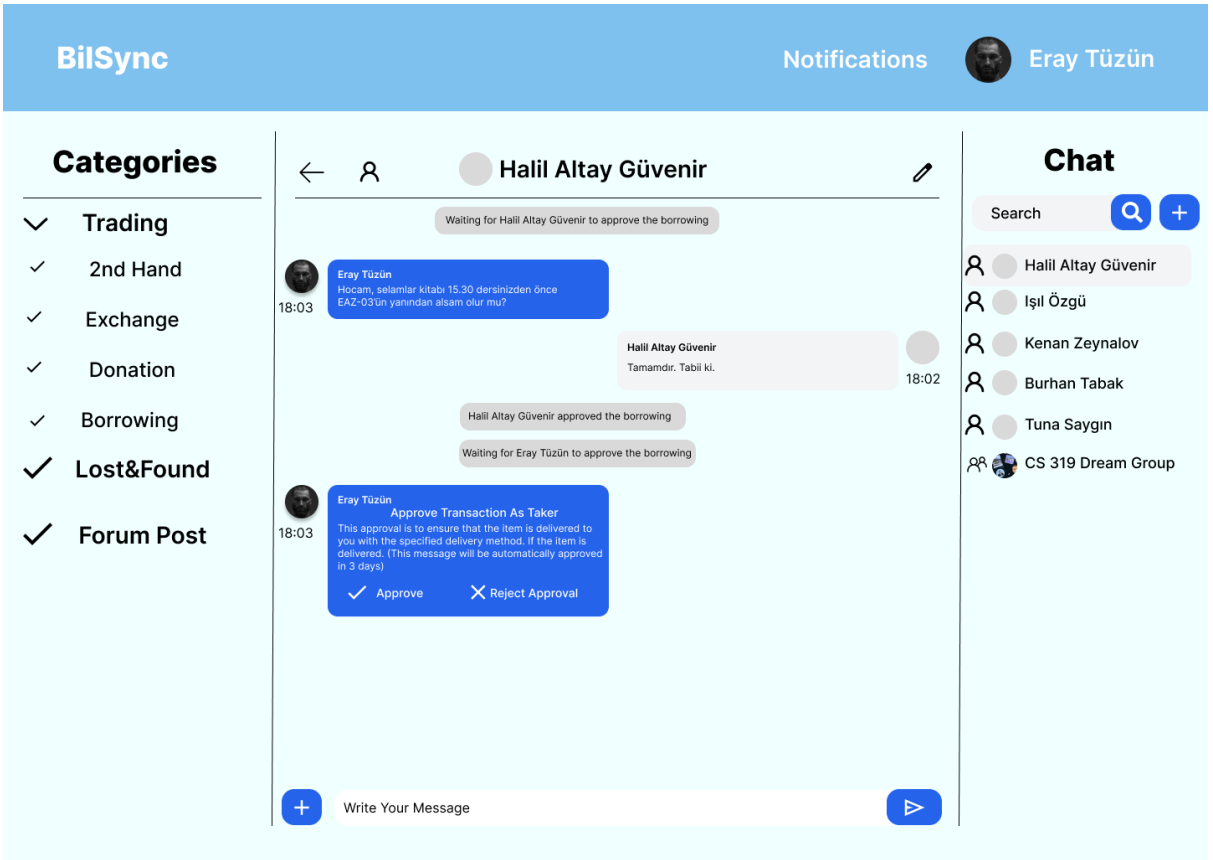


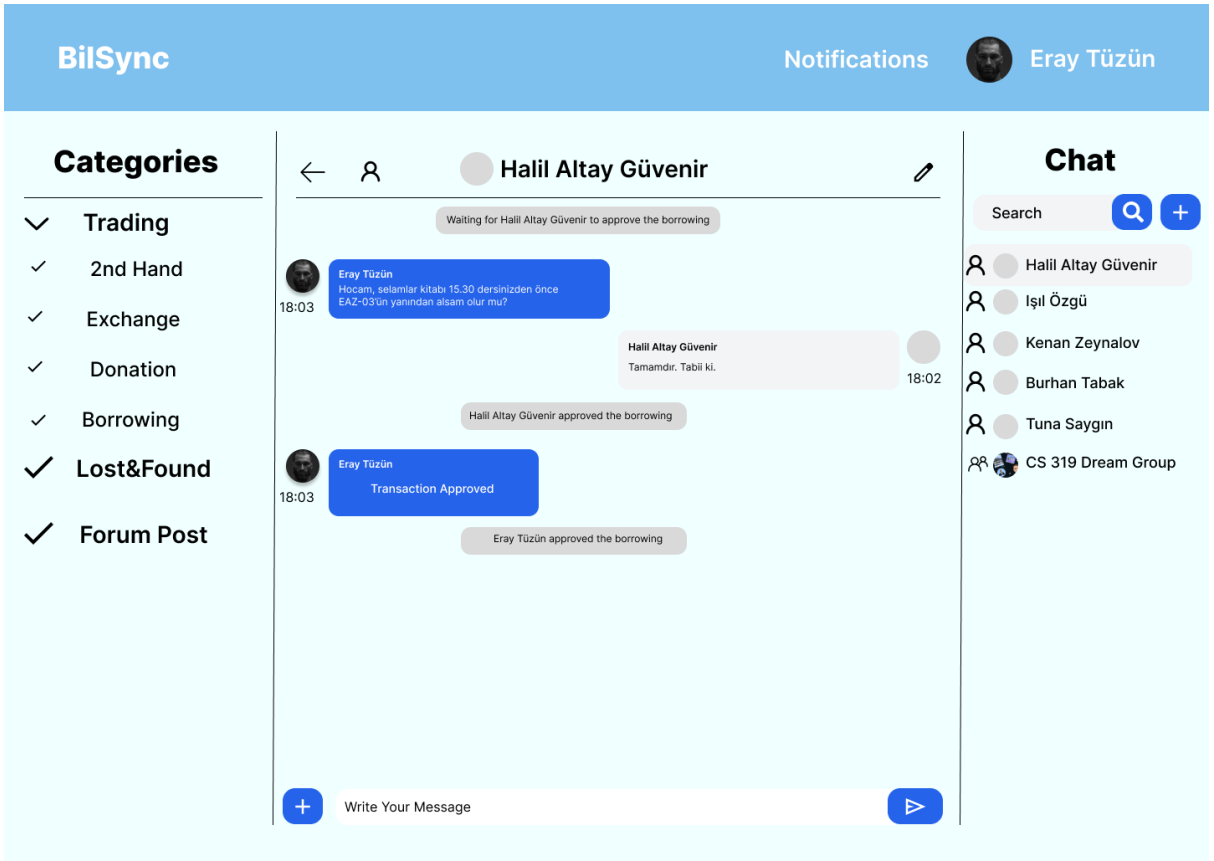



BilSync
Notifications
Eray Tüzün
Borrowing Progress
1
2
3
Pick Date
Date Confirmation
Message
Confirm Date
Date(s): 13th November 2023 14th November 2023
Confirm Dates
Once you confirmed it reserves the scheduled dates to you
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

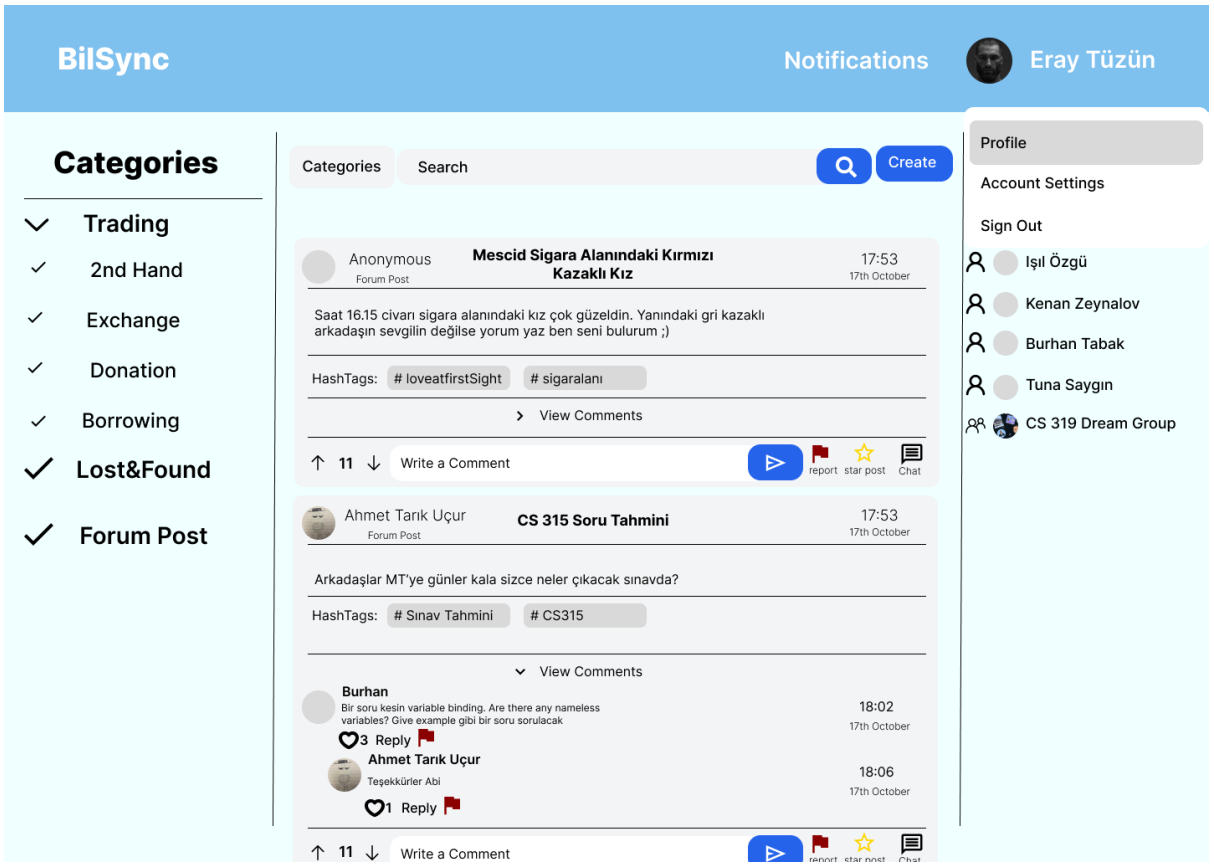

BilSync
Notifications
Eray Tüzün
Borrowing Progress
1
2
3
Pick Date
Date Confirmation
Message
Send Message to Lender
Hocam, selamlar kitabı 15.30 dersinizden önce EAZ-03'ün yanından alsam olur mu?
Send Message
This message is for specifying delivery method
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

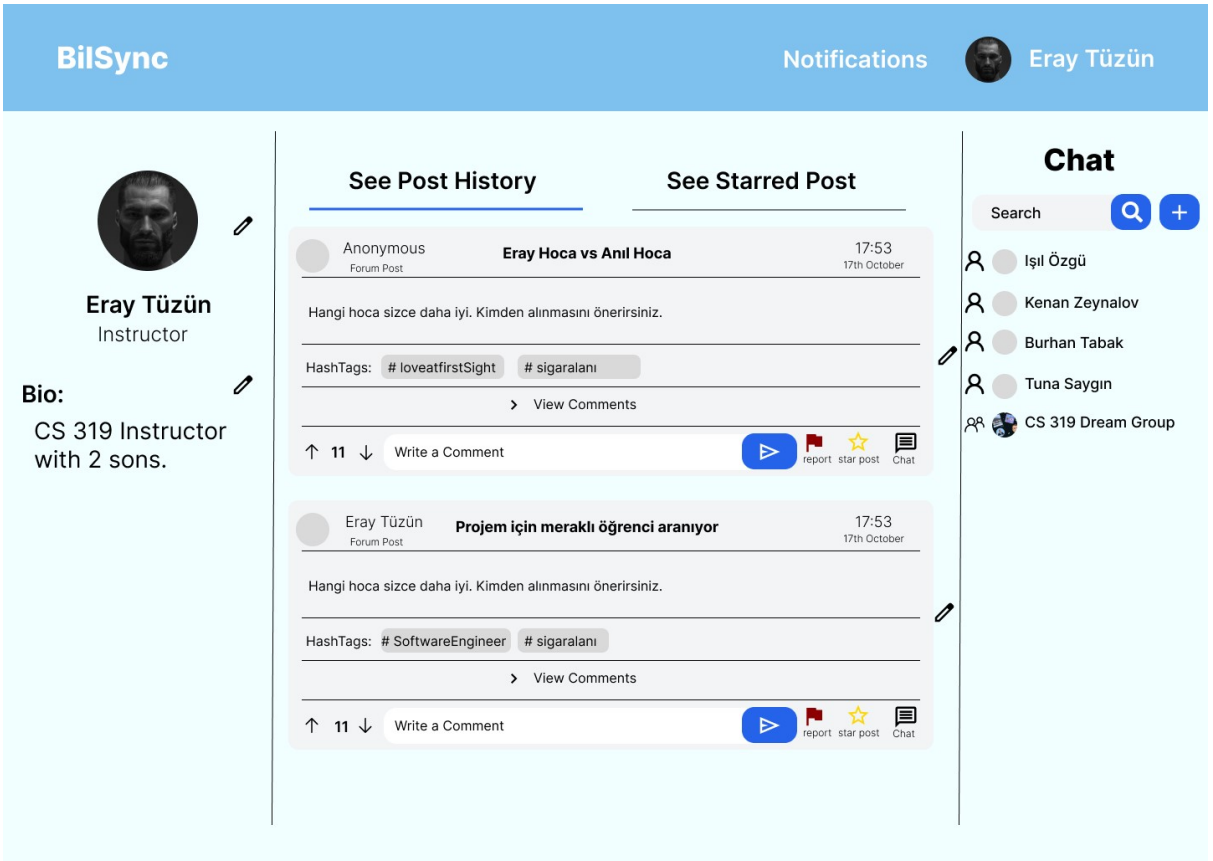

BilSync
Notifications
Eray Tüzün
Borrowing Progress
1
2
3
Pick Date
Date Confirmation
Message
Send Message to Lender
Fetch Transaction
Please Specify Delivery Method to Lender.
Write a Comment
report
star post
Chat
Ahmet Tarık Uçur
CS 315 Soru Tahmini
17:51

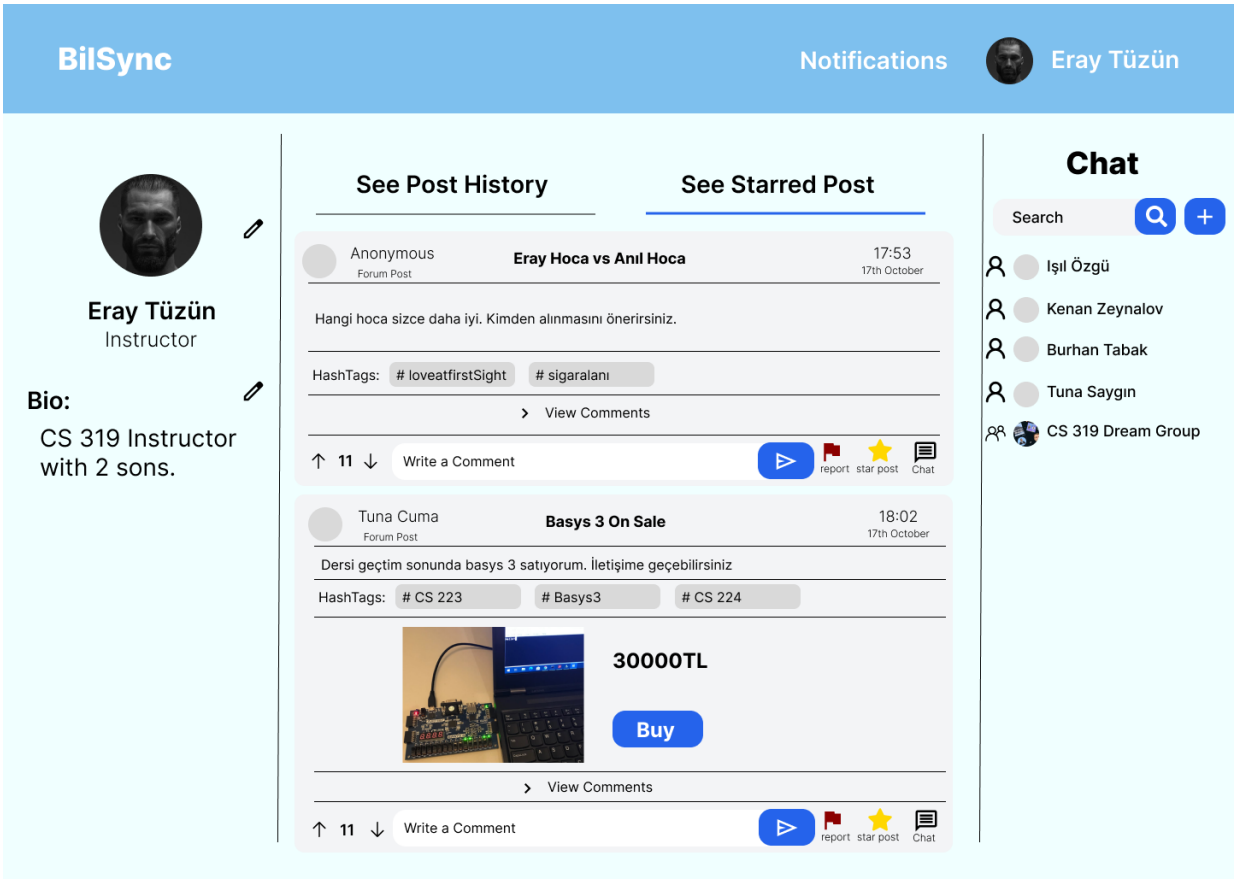

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
Halil Altay Güvenir
Waiting for Halil Altay Güvenir to approve the borrowing
Eray Tüzün
Hocam, selamlar kitabı 15.30 dersinizden önce EAZ-03'ün yanından alsam olur mu?
18:03
Halil Altay Güvenir
Tamamdır. Tabii ki.
18:02
Halil Altay Güvenir approved the borrowing
Waiting for Eray Tüzün to approve the borrowing
Eray Tüzün
Approve Transaction As Taker
This approval is to ensure that the item is delivered to you with the specified delivery method. If the item is delivered. (This message will be automatically approved in 3 days)
Approve
Reject Approval
18:03
Write Your Message
Chat
Search
Halil Altay Güvenir
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group



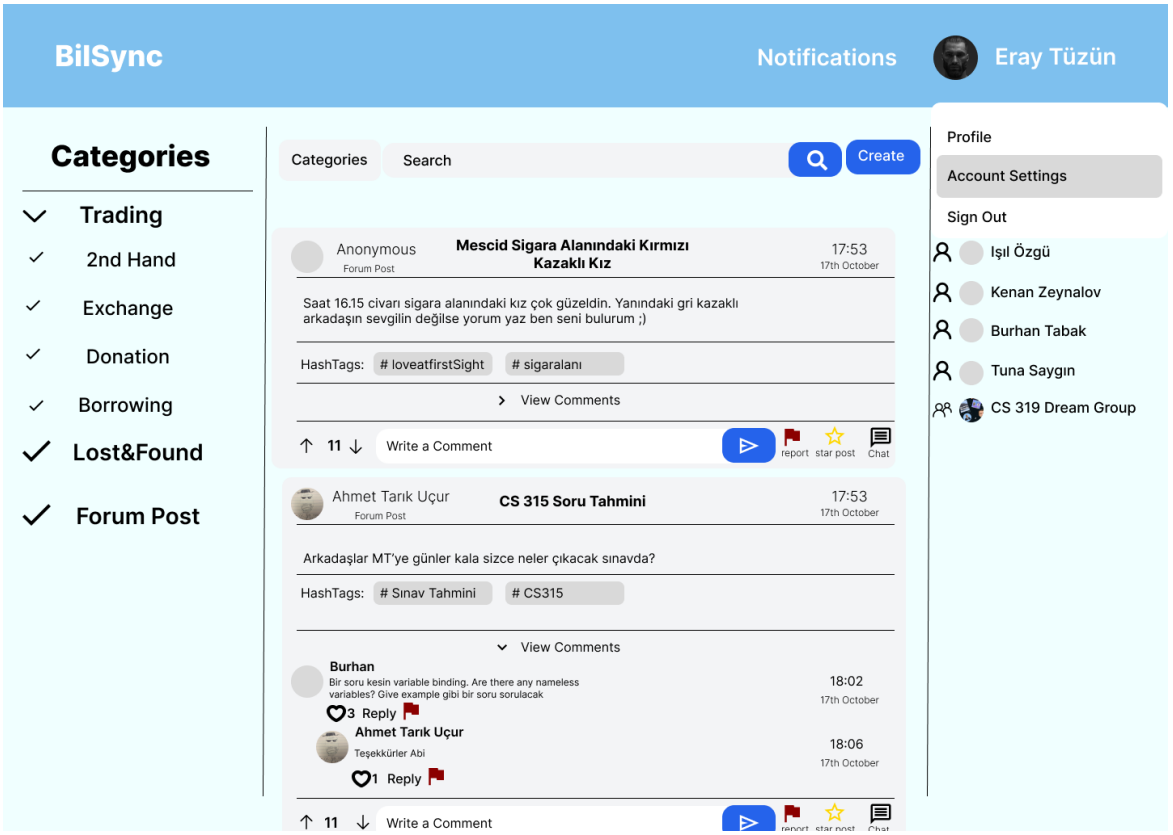
Profile View

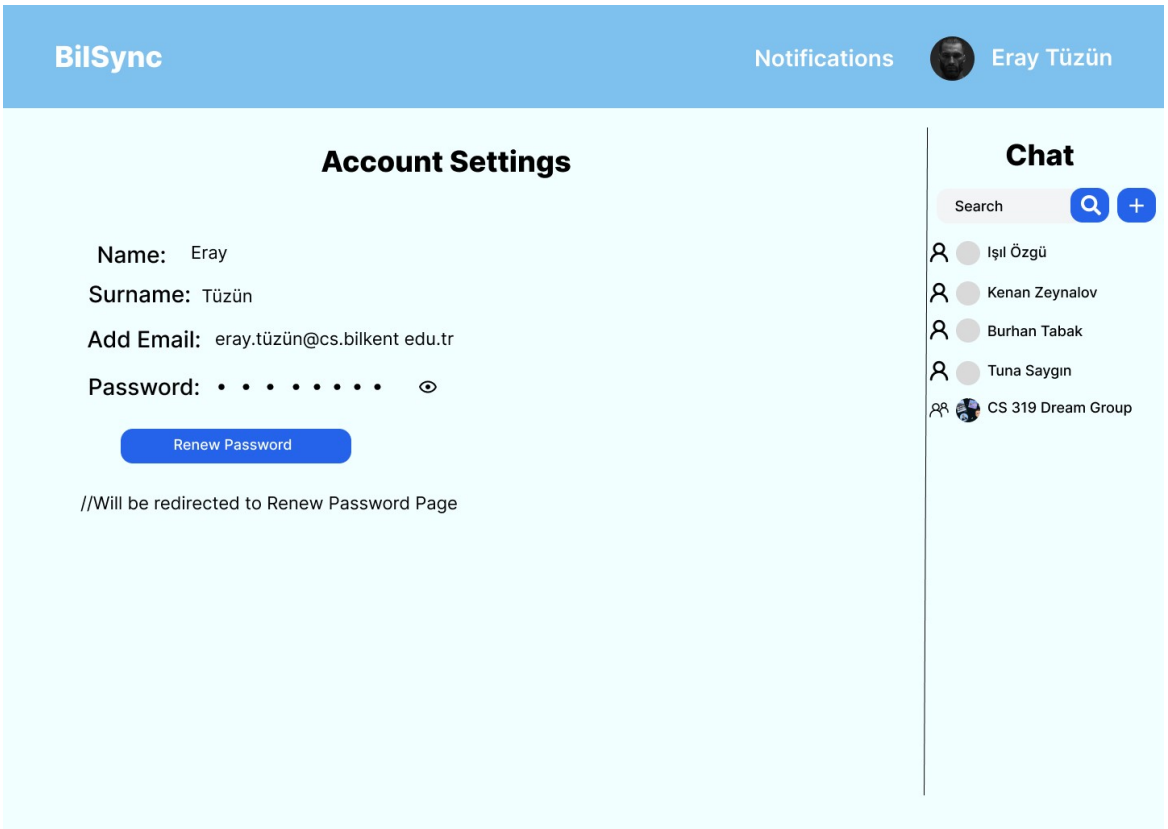



BilSync
Notifications
Eray Tüzün
Eray Tüzün
Instructor
Bio:
CS 319 Instructor with 2 sons.
See Post History
See Starred Post
Anonymous
Forum Post
Eray Hoca vs Anıl Hoca
17:53
17th October
Hangi hoca sizce daha iyi. Kimden alınmasını önerirsiniz.
HashTags: # loveatfirstSight # sigaralanı
View Comments
11
Write a Comment
report
star post
Chat
Eray Tüzün
Forum Post
Projem için meraklı öğrenci aranıyor
17:53
17th October
Hangi hoca sizce daha iyi. Kimden alınmasını önerirsiniz.
HashTags: # SoftwareEngineer # sigaralanı
View Comments
11
Write a Comment
report
star post
Chat
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

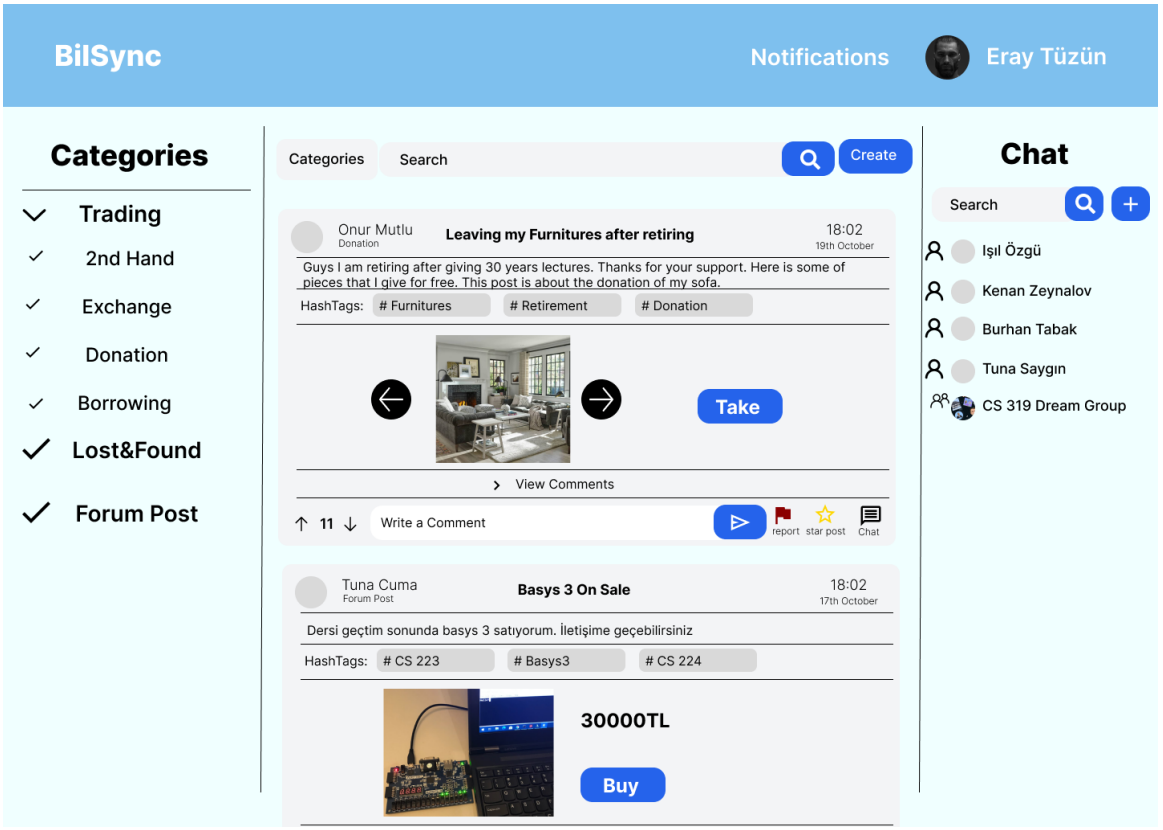

BilSync
Notifications
Eray Tüzün
Eray Tüzün
Instructor
Bio:
CS 319 Instructor with 2 sons.
See Post History
See Starred Post
Anonymous
Forum Post
Eray Hoca vs Anıl Hoca
17:53
17th October
Hangi hoca sizce daha iyi. Kimden alınmasını önerirsiniz.
HashTags: # loveatfirstSight # sigaralanı
View Comments
11
Write a Comment
report
star post
Chat
Tuna Cuma
Forum Post
Basys 3 On Sale
18:02
17th October
Dersi geçtim sonunda basys 3 satıyorum. İletişime geçebilirsiniz
HashTags: # CS 223 # Basys3 # CS 224
30000TL
Buy
View Comments
11
Write a Comment
report
star post
Chat
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

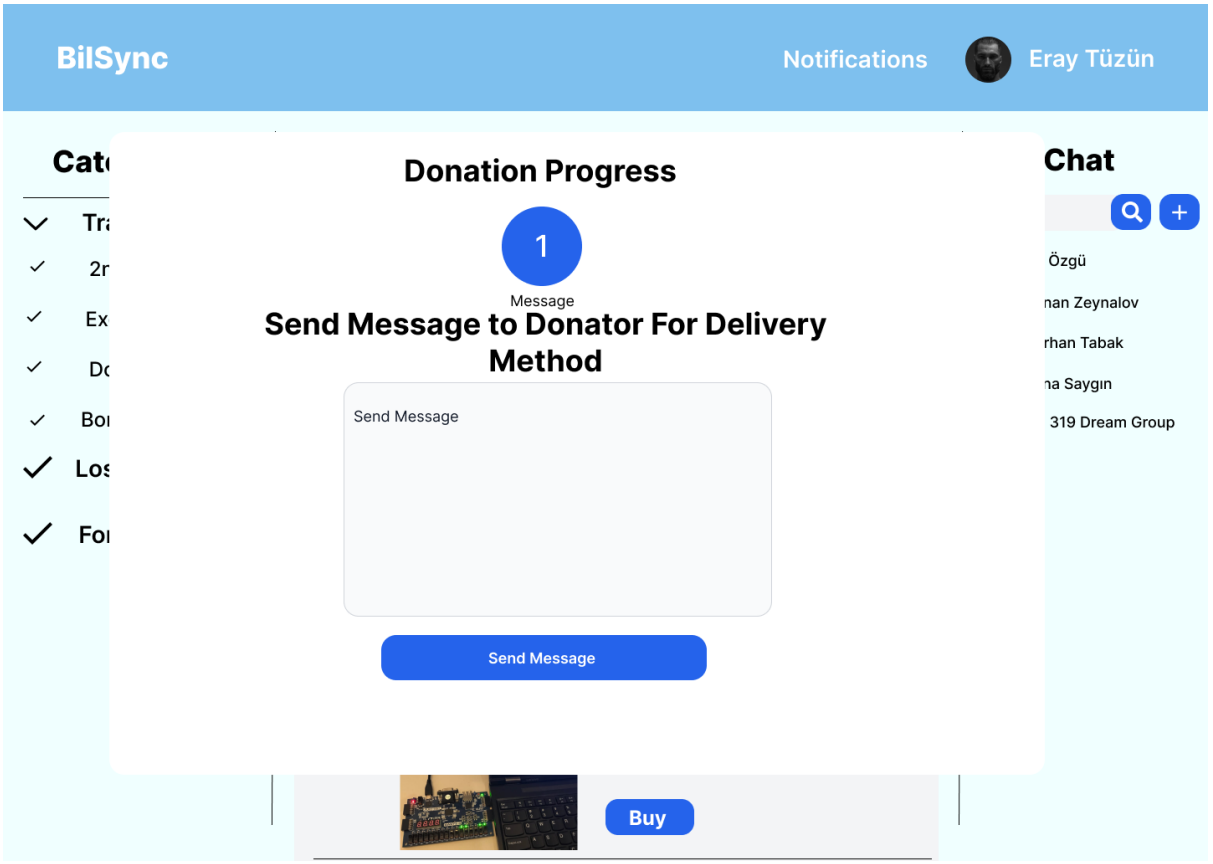
Account Settings



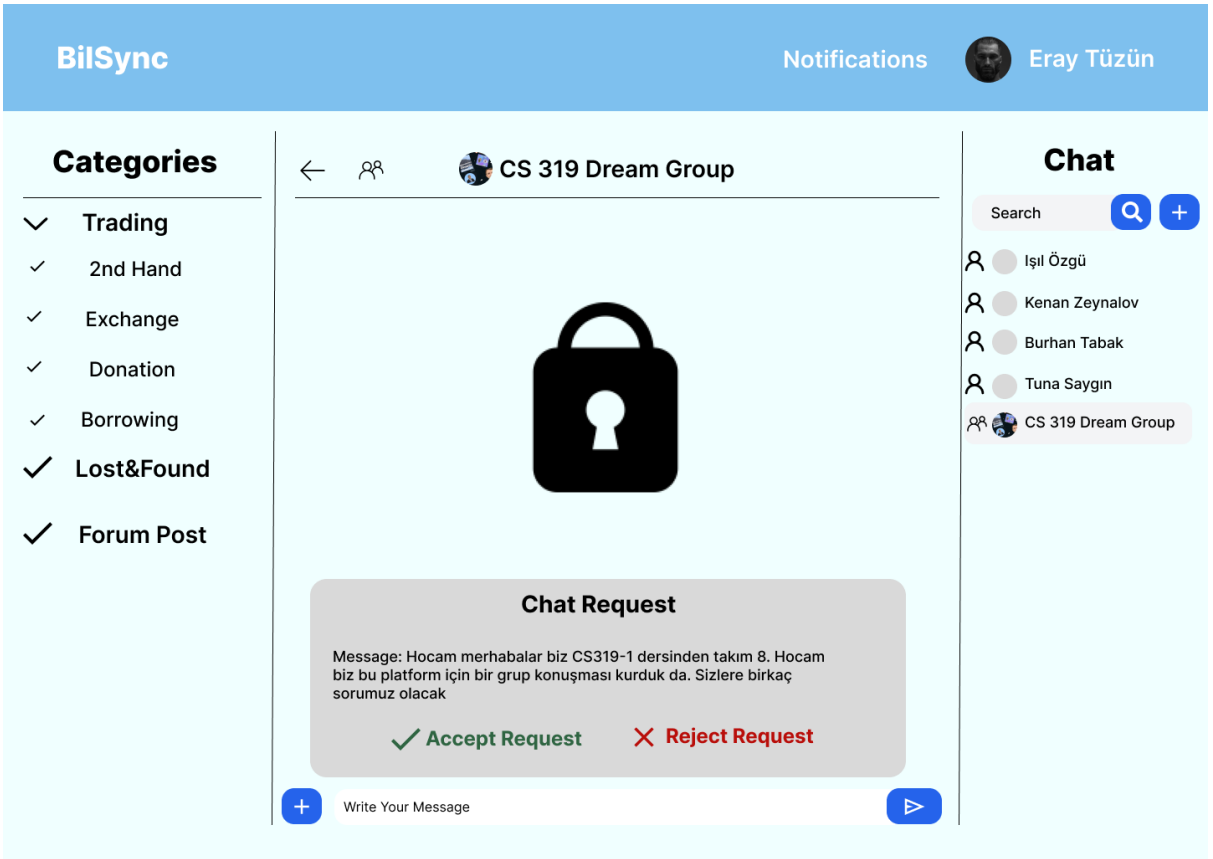


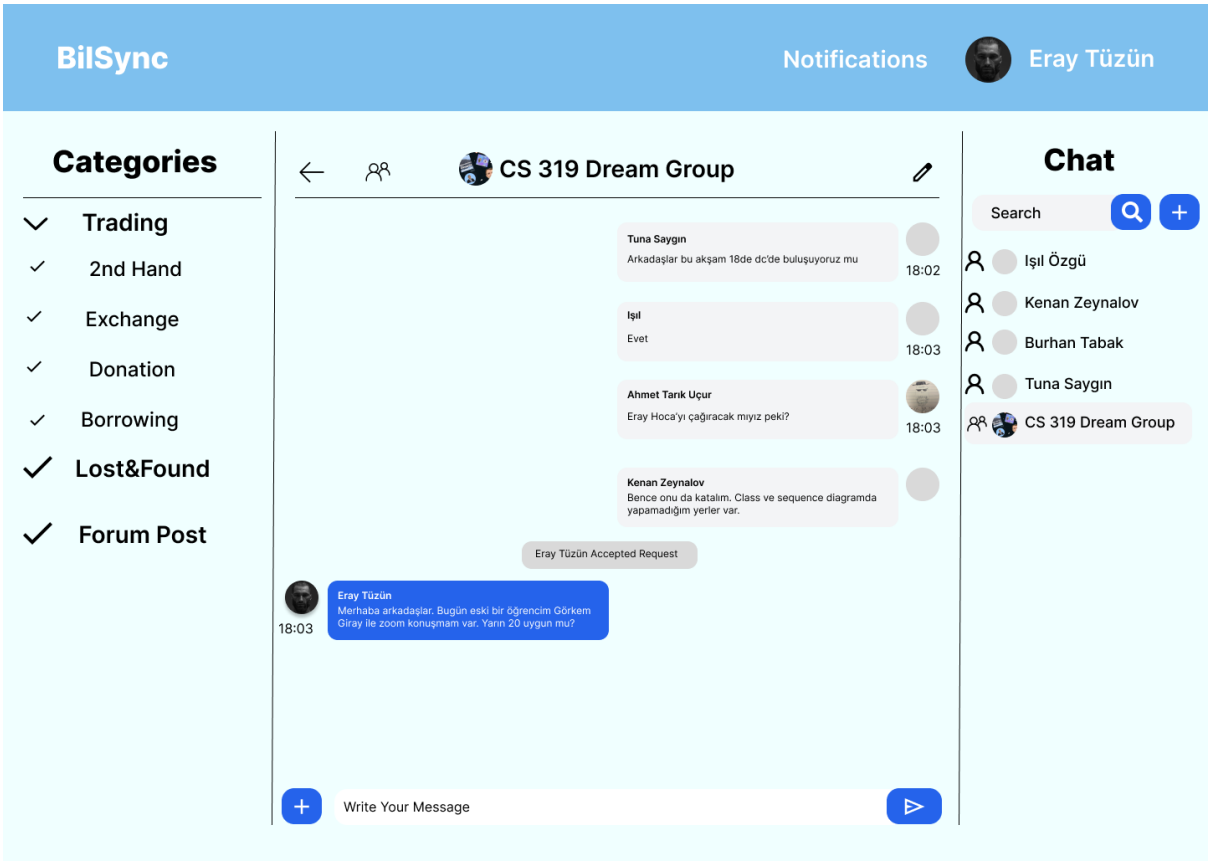
Donation Post Interactions

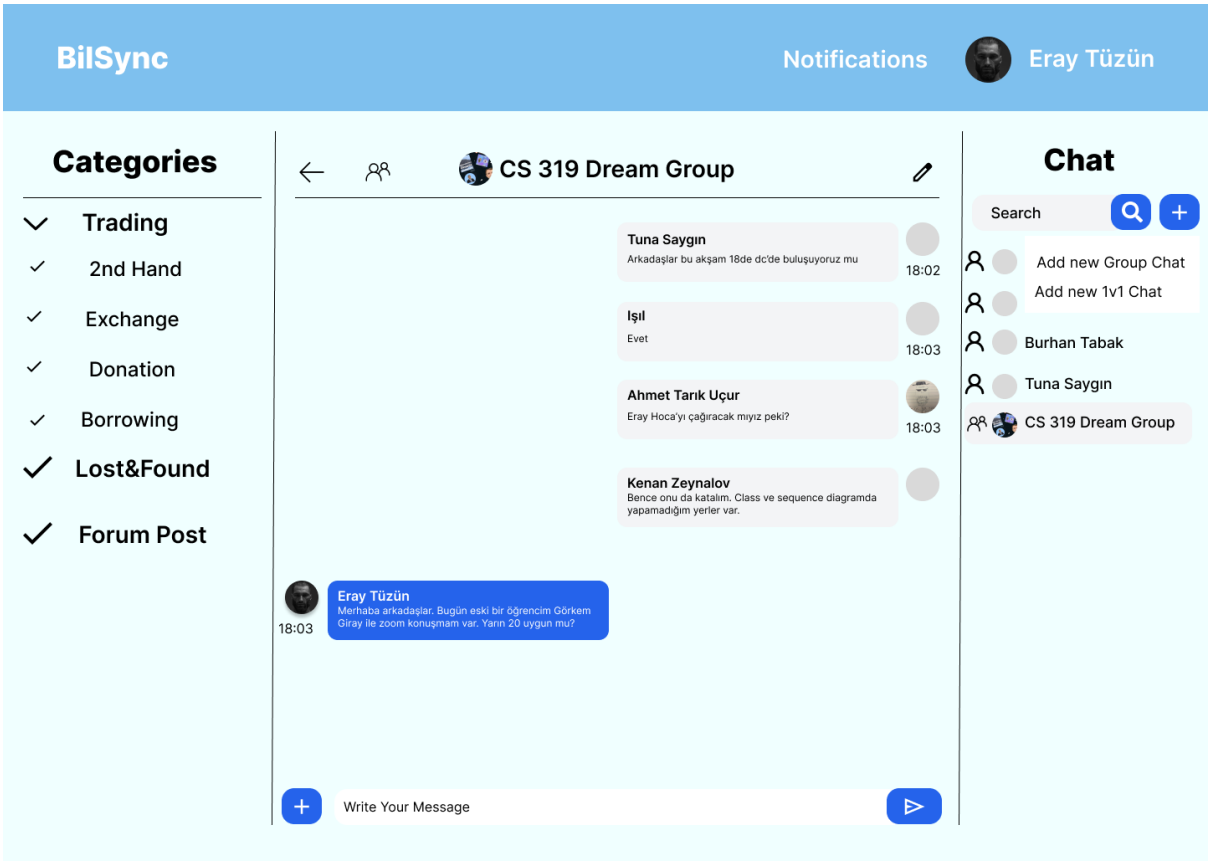


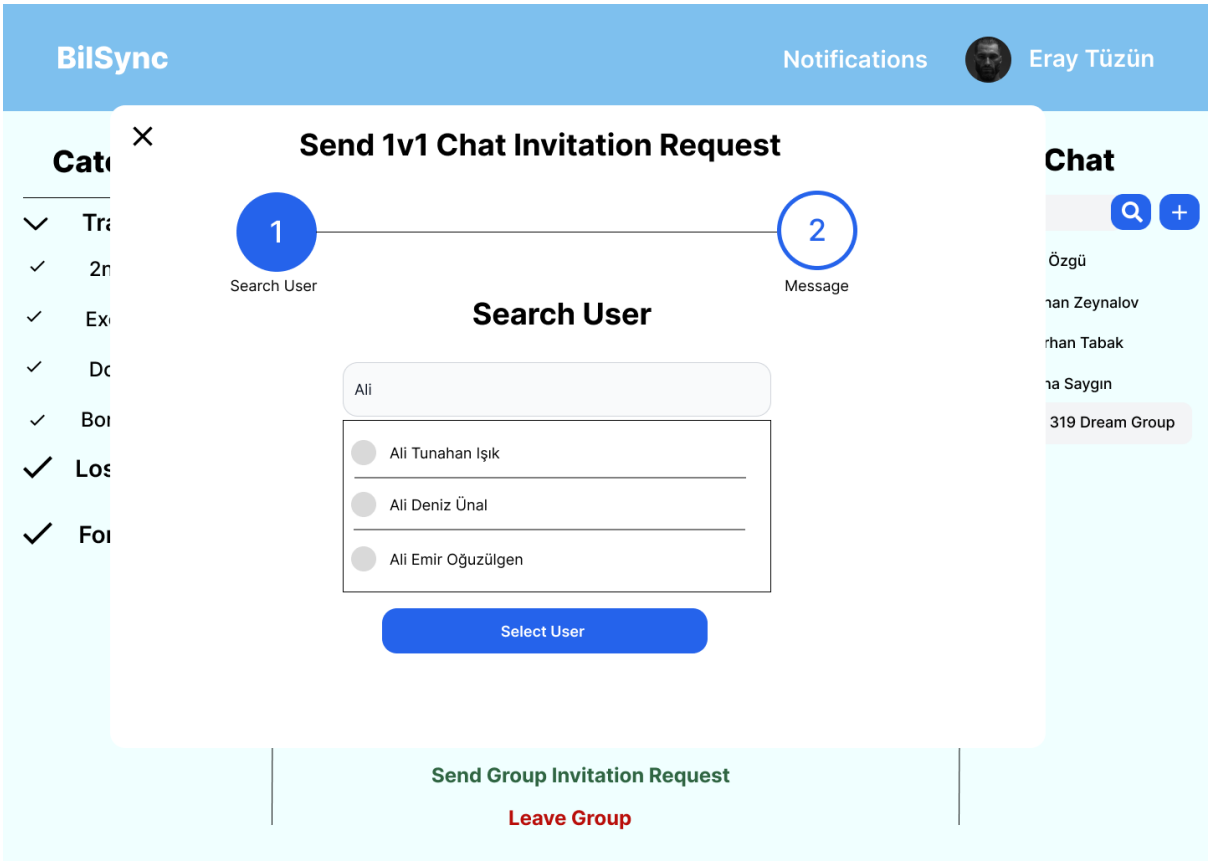


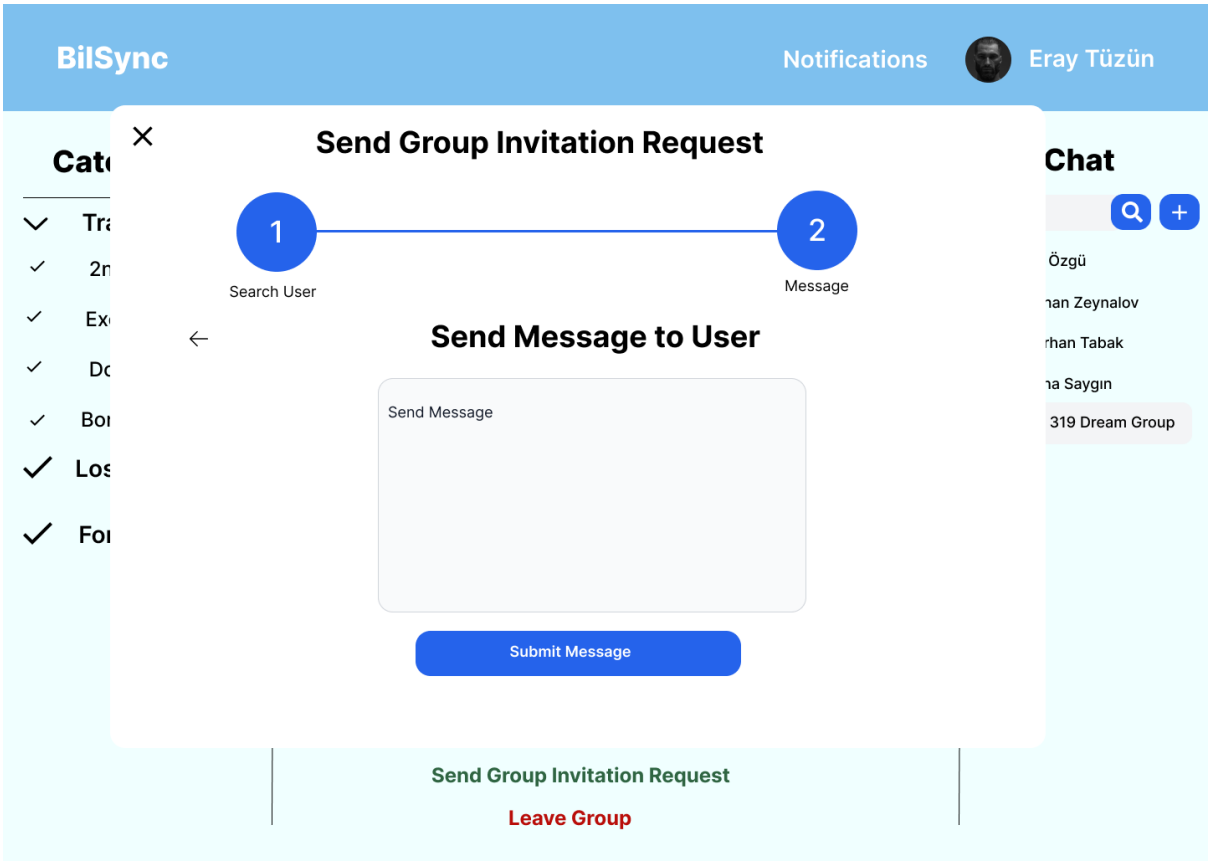
Chat Management

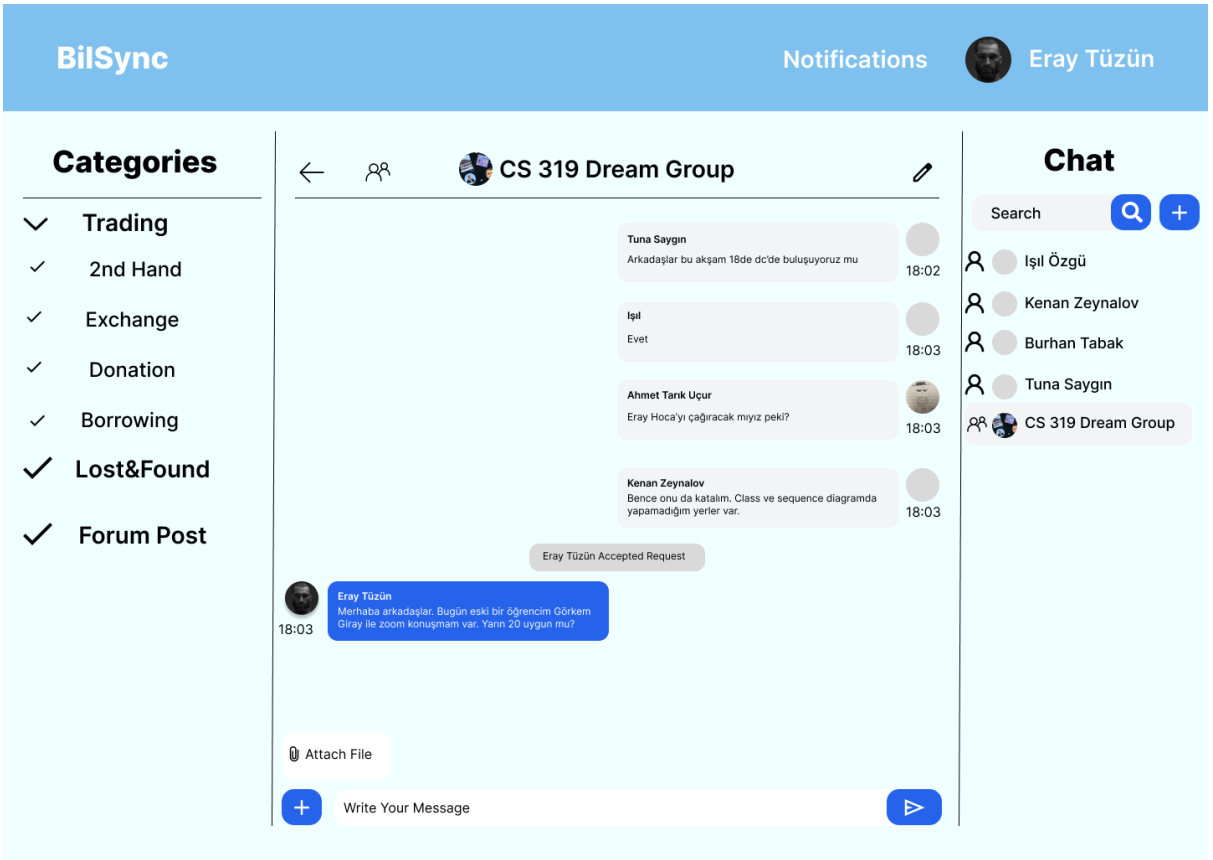





BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Tuna Saygın
Arkadaşlar bu akşam 18de dc'de buluşuyoruz mu
18:02
Işıl
Evet
18:03
Ahmet Tarık Uçur
Eray Hoca'yı çağıracak mıyız peki?
18:03
Kenan Zeynalov
Bence onu da katalım. Class ve sequence diagramda yapamadığım yerler var.
Eray Tüzün
Merhaba arkadaşlar. Bugün eski bir öğrencim Görkem Giray ile zoom konuşmam var. Yarın 20 uygun mu?
18:03
Write Your Message
Chat
Search
Add new Group Chat
Add new 1v1 Chat
Burhan Tabak
Tuna Saygın
CS 319 Dream Group


BilSync
Notifications
Eray Tüzün
Send 1v1 Chat Invitation Request
1
Search User
2
Message
Search User
Ali
Ali Tunahan Işık
Ali Deniz Ünal
Ali Emir Oğuzülgen
Select User
Chat
Send Group Invitation Request
Leave Group


BilSync
Notifications
Eray Tüzün
Send Group Invitation Request
1
Search User
2
Message
Send Message to User
Send Message
Submit Message
Chat
Özgü
Send Group Invitation Request
Leave Group


BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Tuna Saygın
Arkadaşlar bu akşam 18de dc'de buluşuyoruz mu
18:02
Işıl
Evet
18:03
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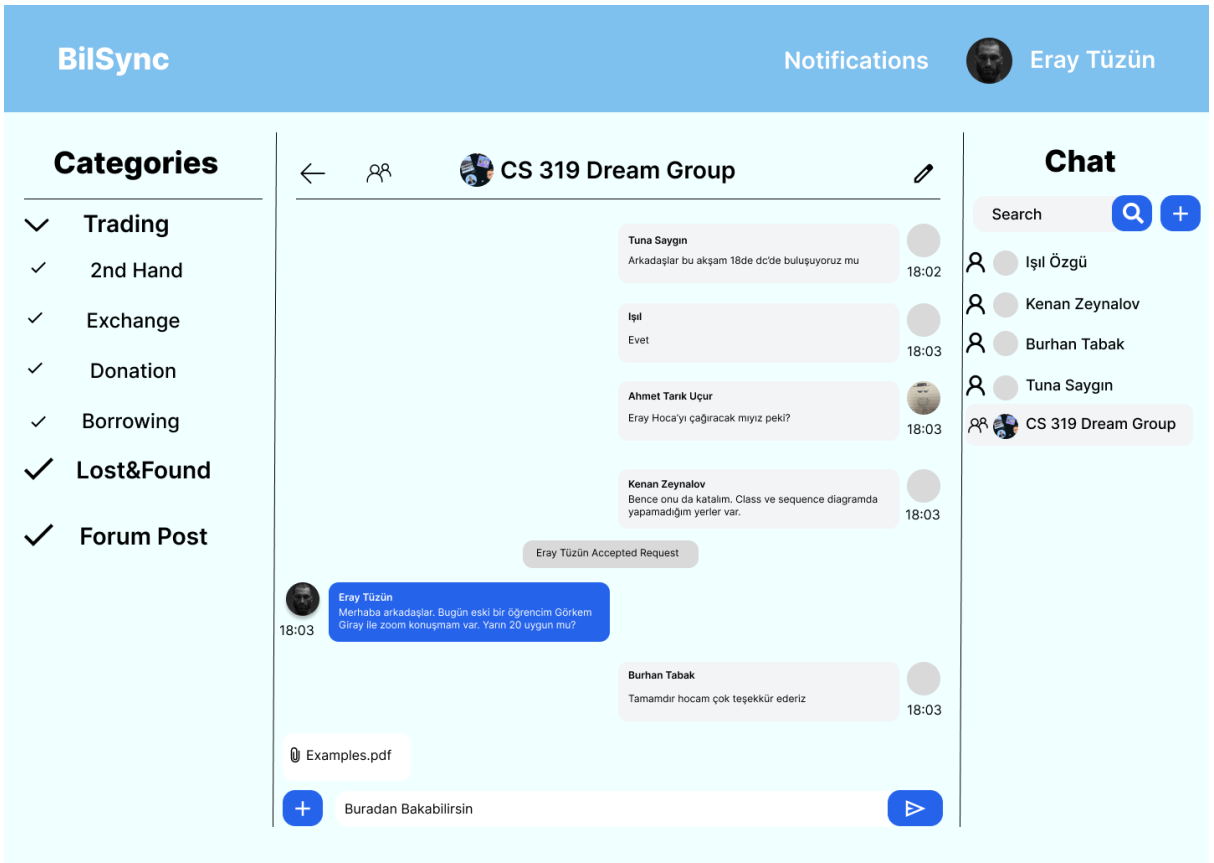
18:03
Eray Tüzün Accepted Request
Eray Tüzün
Merhaba arkadaşlar. Bugün eski bir öğrencim Görkem Giray ile zoom konuşmam var. Yarın 20 uygun mu?
18:03
Attach File
Write Your Message
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group


BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Tuna Saygın
Arkadaşlar bu akşam 18de dc'de buluşuyoruz mu
18:02
Işıl
Evet
18:03
Ahmet Tarık Uçur
Eray Hoca'yı çağıracak mıyız peki?
18:03
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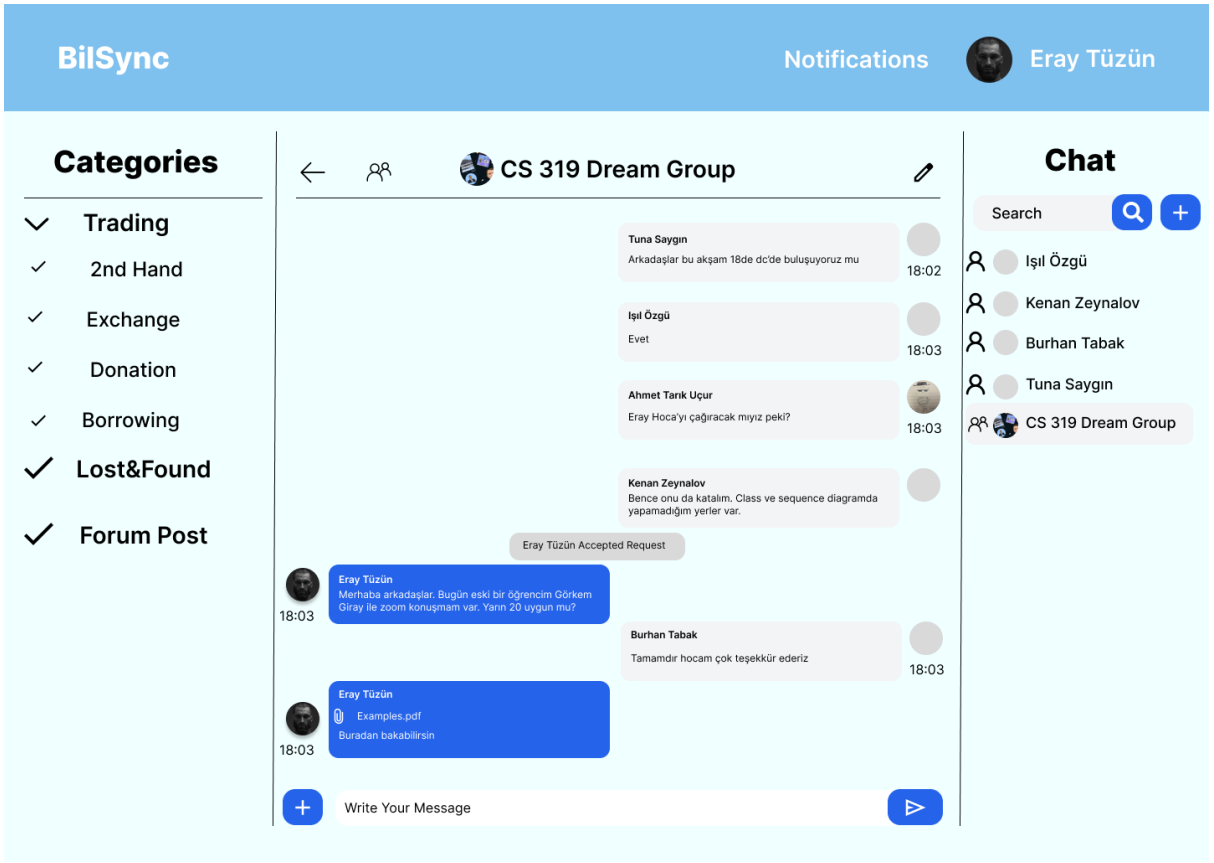
18:03
Burhan Tabak
Tamamdır hocam çok teşekkür ederiz
18:03
Examples.pdf
Buradan Bakabilirsin
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group


BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Tuna Saygın
Arkadaşlar bu akşam 18de dc'de buluşuyoruz mu
18:02
Işıl Özgü
Evet
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Eray Tüzün
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18:03
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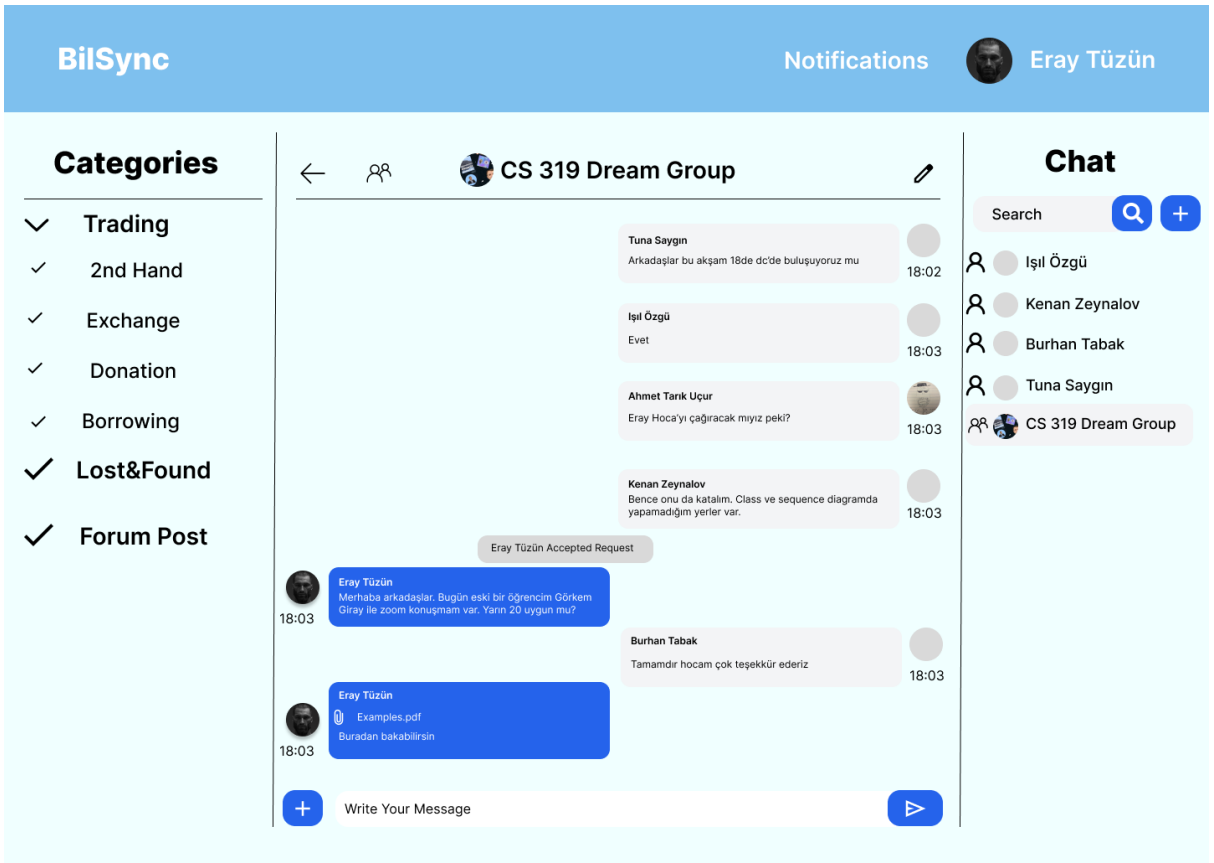
18:03
Eray Tüzün
Examples.pdf
Buradan bakabilirsin
18:03
Write Your Message
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group


BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Tuna Saygın
Arkadaşlar bu akşam 18de dc'de buluşuyoruz mu
18:02
Işıl Özgü
Evet
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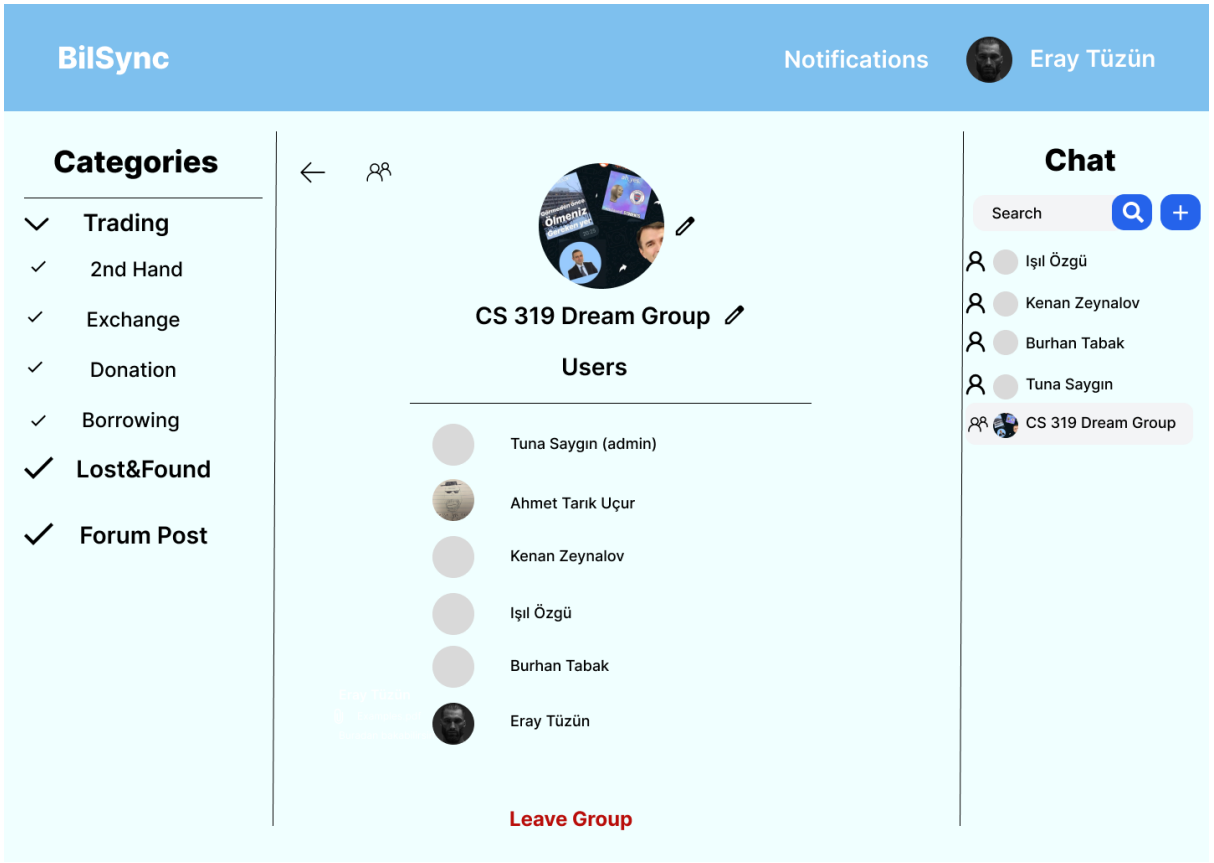
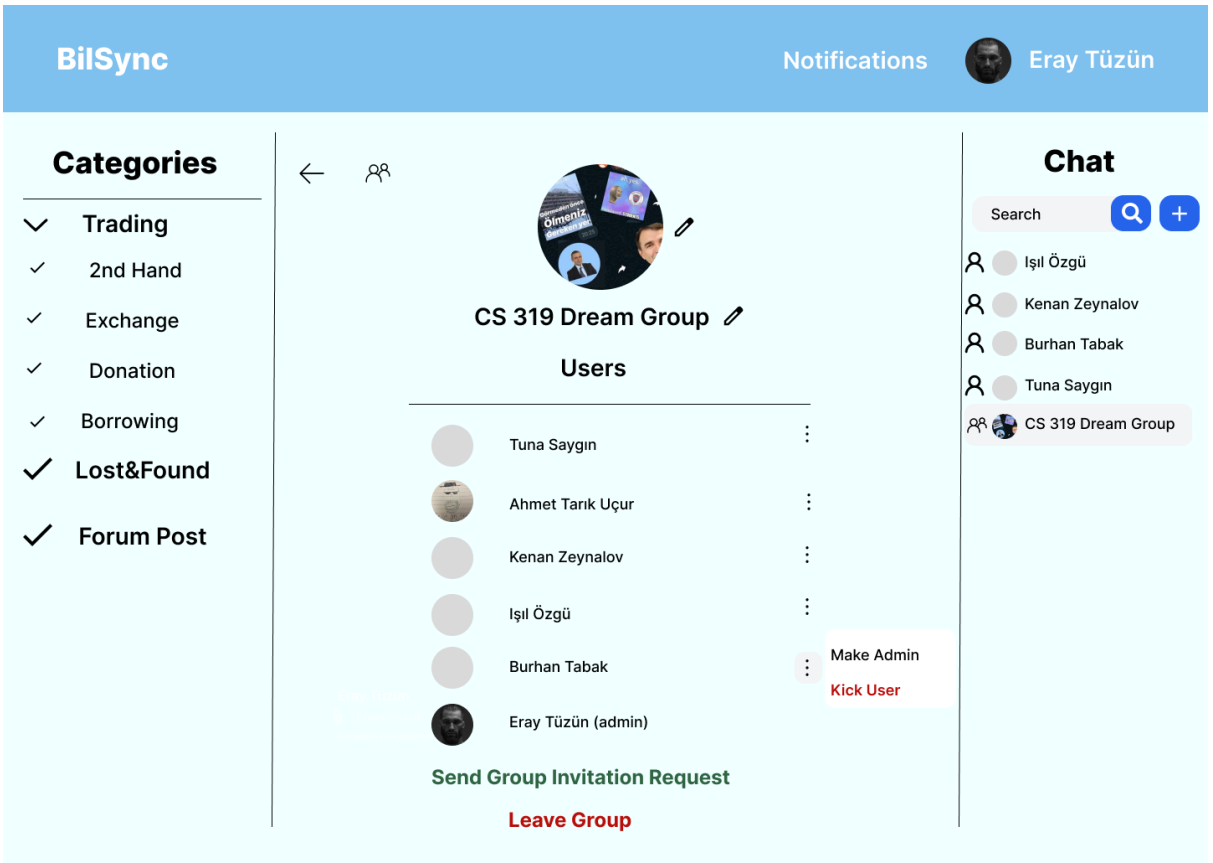
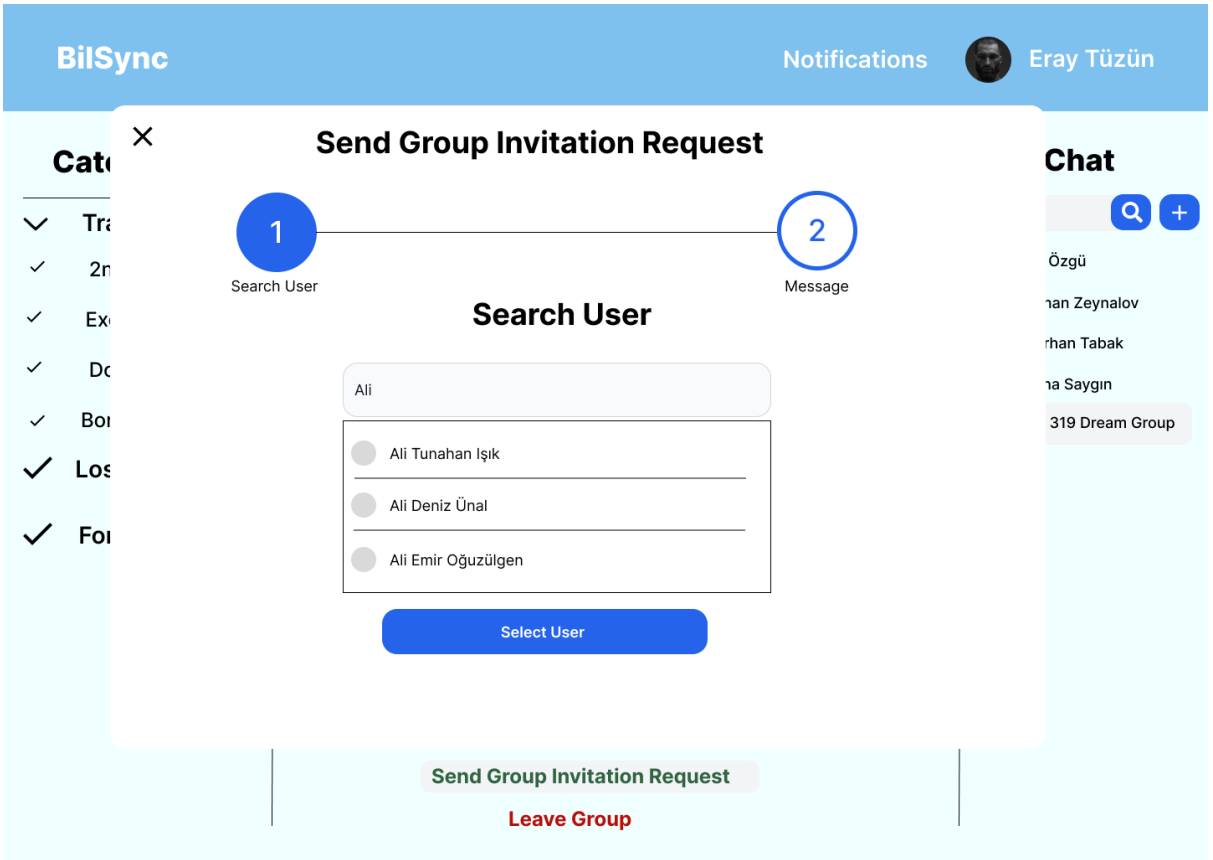
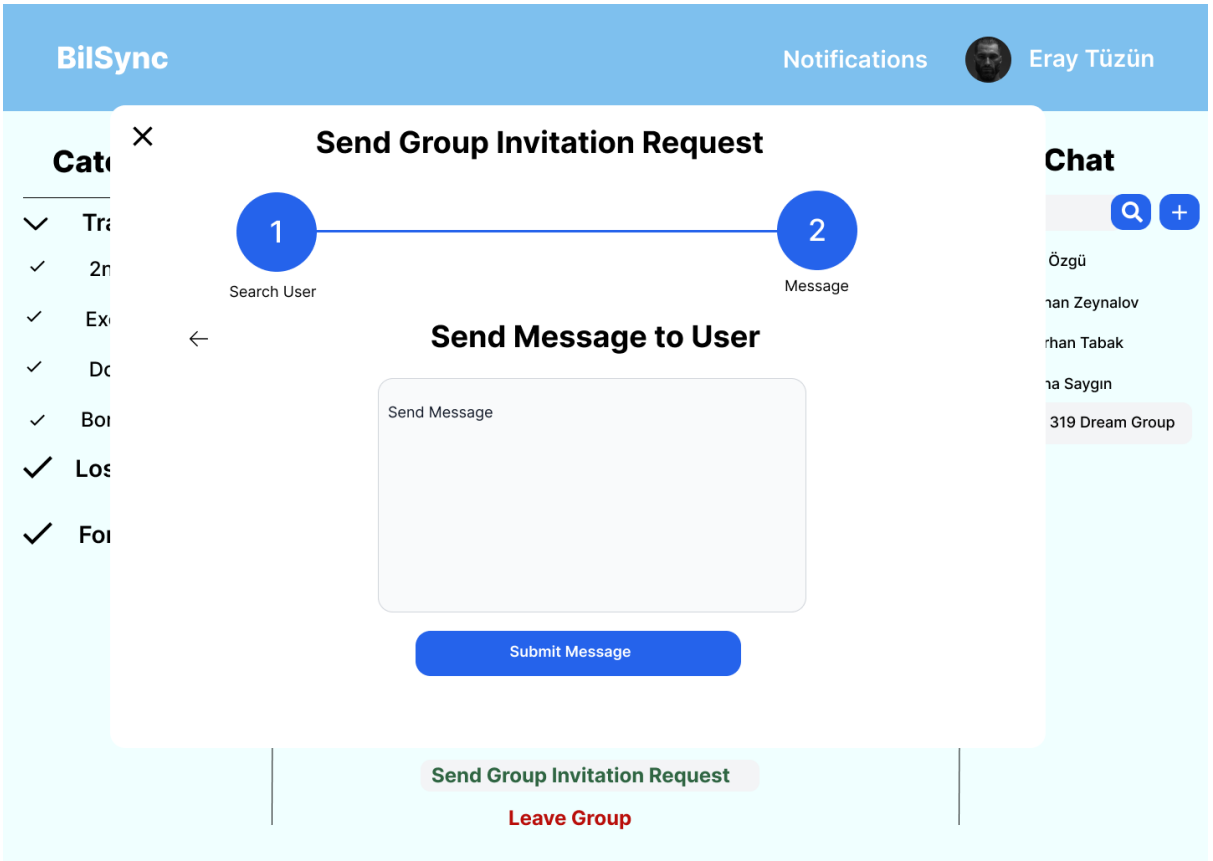
18:03
Burhan Tabak
Tamamdır hocam çok teşekkür ederiz
18:03
Eray Tüzün
Examples.pdf
Buradan bakabilirsin
18:03
Write Your Message
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

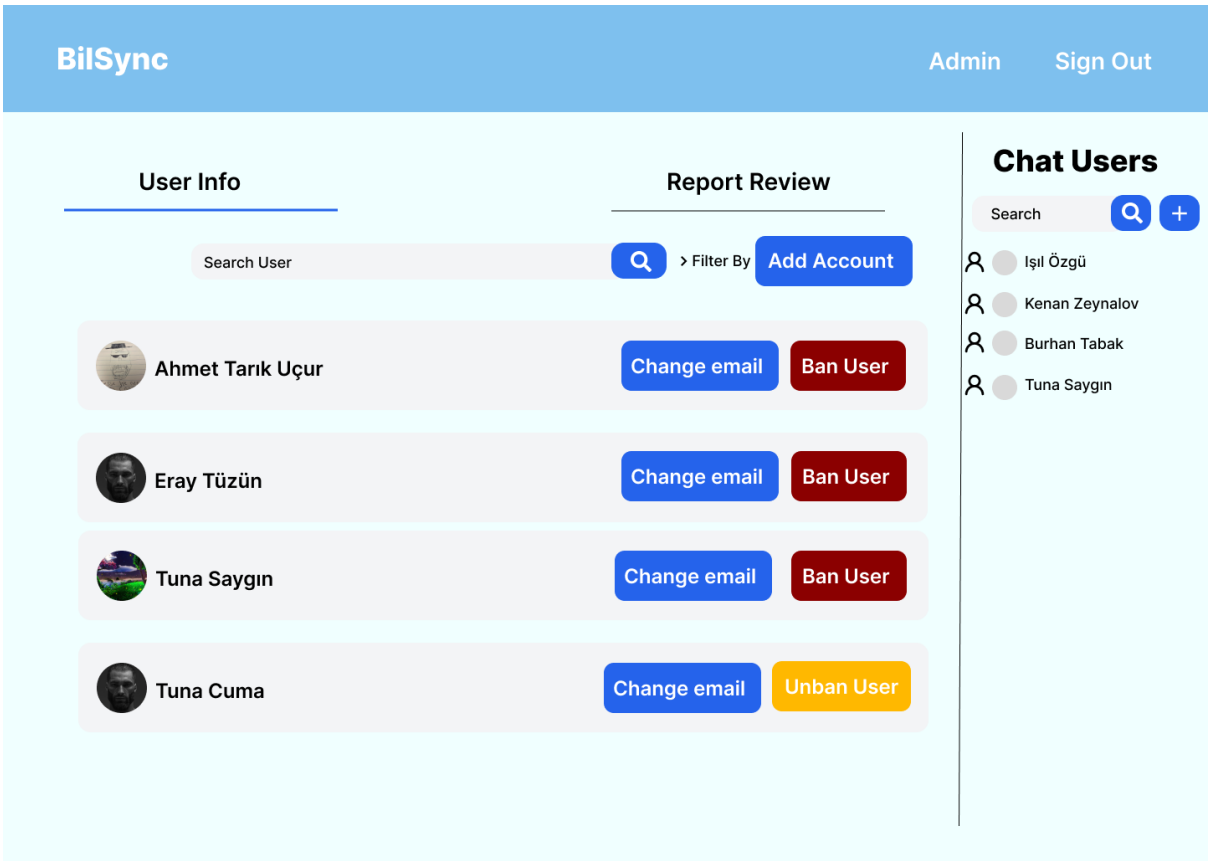

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Users
Tuna Saygın (admin)
Ahmet Tarık Uçur
Kenan Zeynalov
Işıl Özgü
Burhan Tabak
Eray Tüzün
Leave Group
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

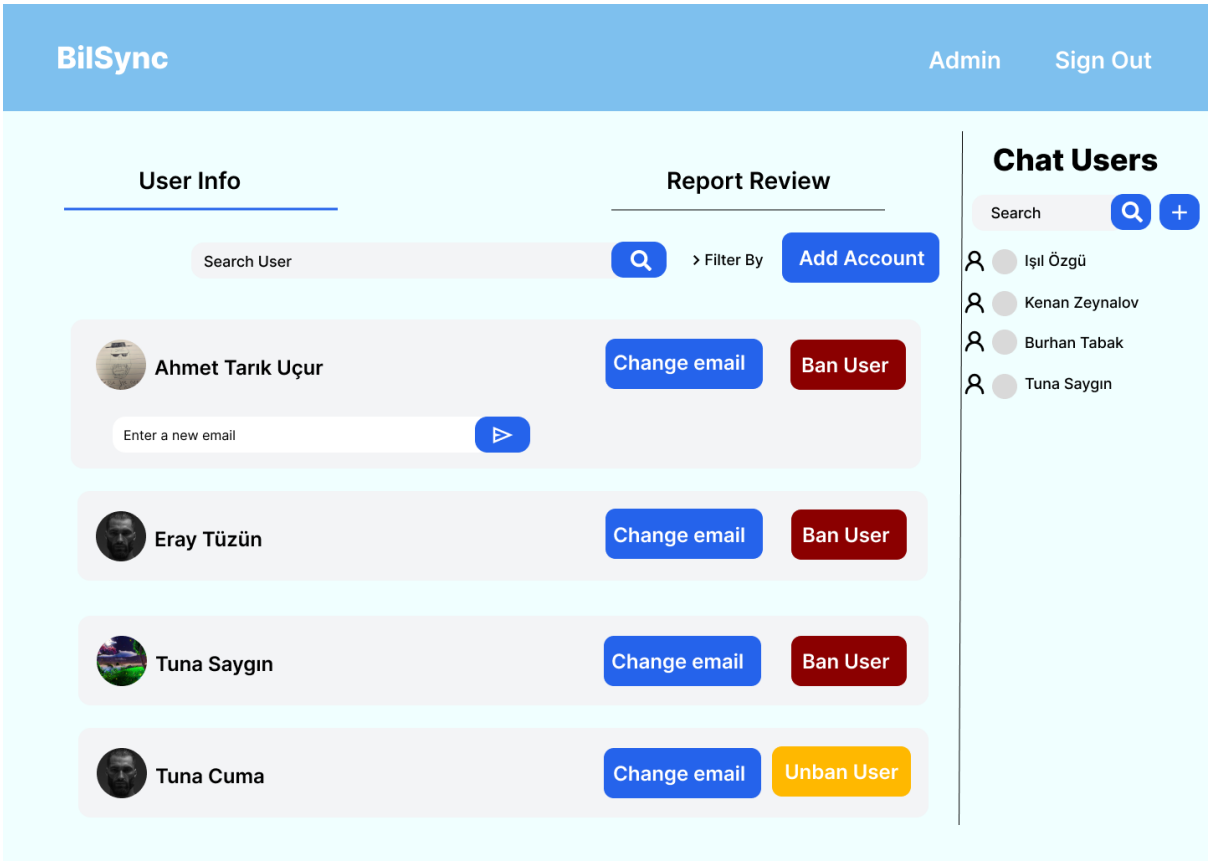

BilSync
Notifications
Eray Tüzün
Categories
Trading
2nd Hand
Exchange
Donation
Borrowing
Lost&Found
Forum Post
CS 319 Dream Group
Users
Tuna Saygın
Ahmet Tarık Uçur
Kenan Zeynalov
Işıl Özgü
Burhan Tabak
Eray Tüzün (admin)
Make Admin
Kick User
Send Group Invitation Request
Leave Group
Chat
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın
CS 319 Dream Group

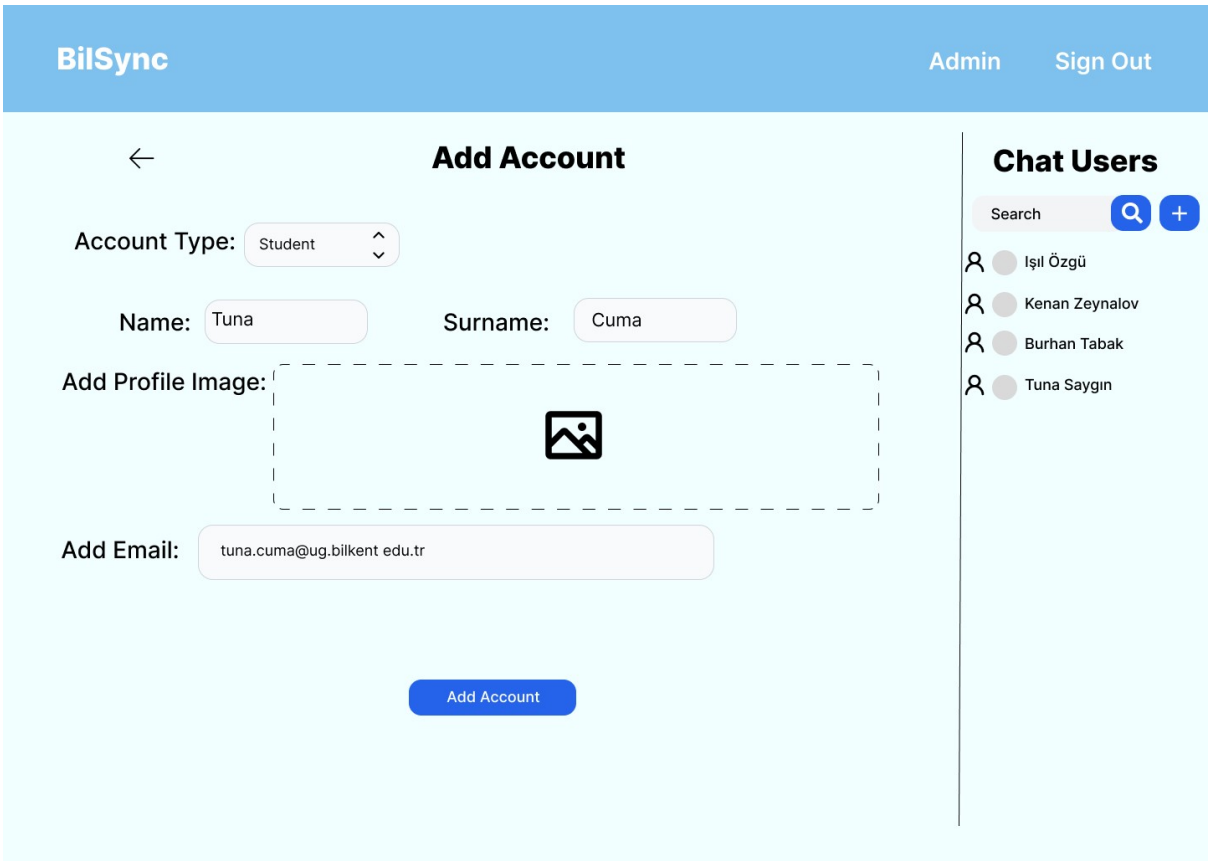

BilSync
Notifications
Eray Tüzün
Send Group Invitation Request
1
Search User
2
Message
Search User
Ali
Ali Tunahan Işık
Ali Deniz Ünal
Ali Emir Oğuzülgen
Select User
Chat
Send Group Invitation Request
Leave Group

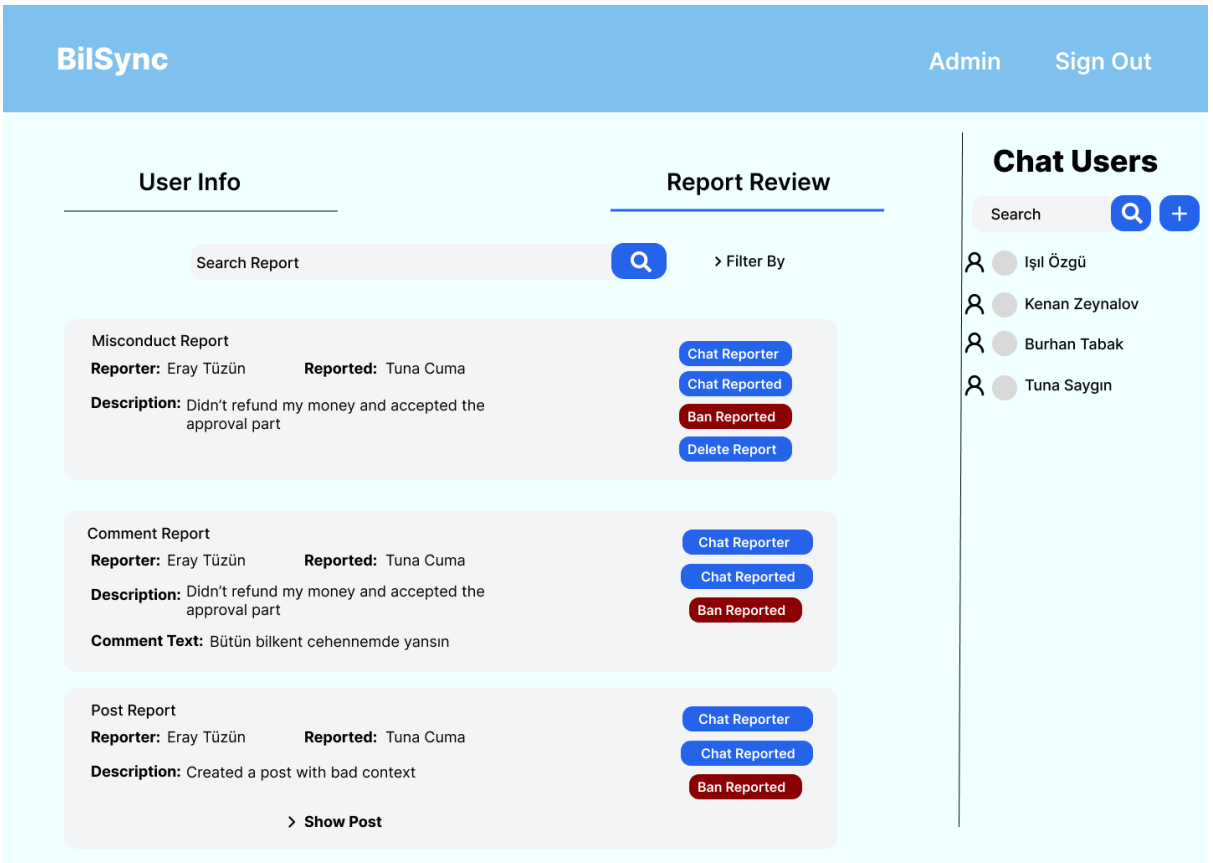

BilSync
Notifications
Eray Tüzün
Send Group Invitation Request
1
Search User
2
Message
Send Message to User
Send Message
Submit Message
Chat
Özgü
319 Dream Group
Send Group Invitation Request
Leave Group

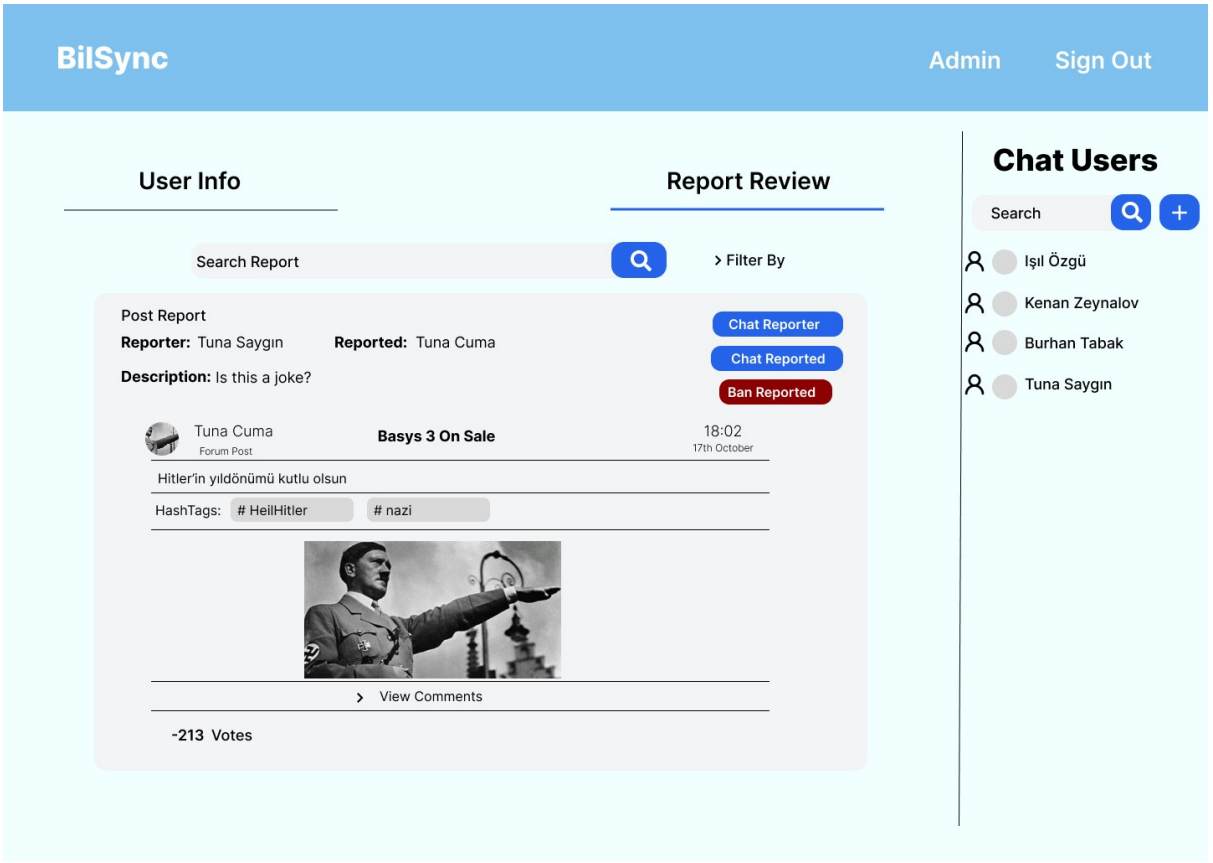
Admin Panel


BilSync
Admin
Sign Out
User Info
Report Review
Search User
Filter By
Add Account
Ahmet Tarık Uçur
Change email
Ban User
Eray Tüzün
Change email
Ban User
Tuna Saygın
Change email
Ban User
Tuna Cuma
Change email
Unban User
Chat Users
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın


BilSync
Admin
Sign Out
User Info
Report Review
Search User
> Filter By
Add Account
Ahmet Tarık Uçur
Change email
Ban User
Enter a new email
Eray Tüzün
Change email
Ban User
Tuna Saygın
Change email
Ban User
Tuna Cuma
Change email
Unban User
Chat Users
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın

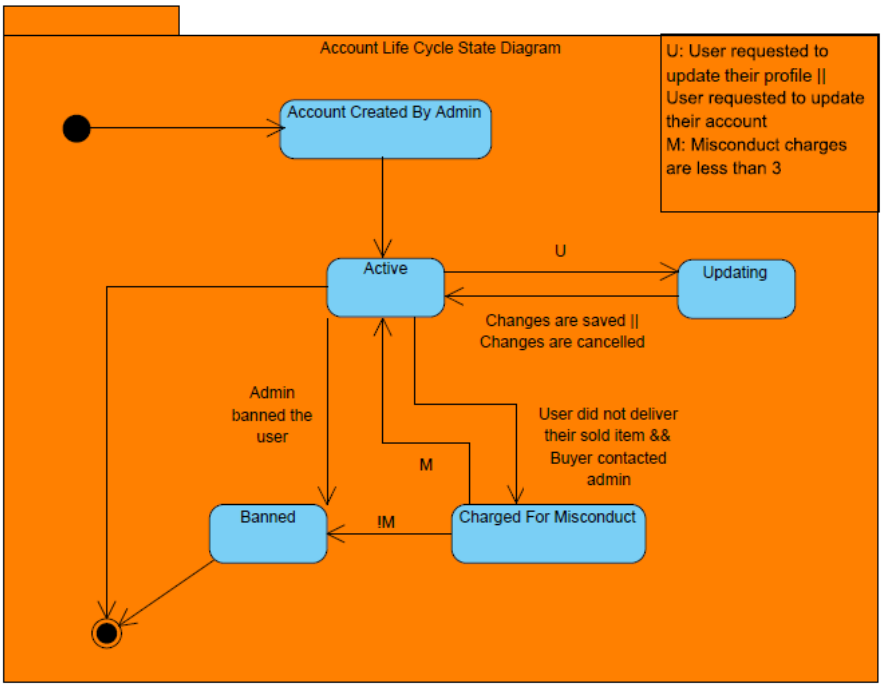

BilSync
Admin
Sign Out
Add Account
Account Type:
Student
Name:
Tuna
Surname:
Cuma
Add Profile Image:
Add Email:
tuna.cuma@ug.bilkent edu.tr
Add Account
Chat Users
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın


BilSync
Admin
Sign Out
User Info
Report Review
Search Report
Filter By
Misconduct Report
Reporter: Eray Tüzün
Reported: Tuna Cuma
Description: Didn't refund my money and accepted the approval part
Chat Reporter
Chat Reported
Ban Reported
Delete Report
Comment Report
Reporter: Eray Tüzün
Reported: Tuna Cuma
Description: Didn't refund my money and accepted the approval part
Comment Text: Bütün bilkent cehennemde yansın
Chat Reporter
Chat Reported
Ban Reported
Post Report
Reporter: Eray Tüzün
Reported: Tuna Cuma
Description: Created a post with bad context
Chat Reporter
Chat Reported
Ban Reported
Show Post
Chat Users
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın


BilSync
Admin
Sign Out
User Info
Report Review
Search Report
Filter By
Post Report
Reporter: Tuna Saygın
Reported: Tuna Cuma
Description: Is this a joke?
Chat Reporter
Chat Reported
Ban Reported
Tuna Cuma
Forum Post
Basys 3 On Sale
18:02
17th October
Hitler'in yıldönümü kutlu olsun
HashTags: # HeilHitler # nazi
View Comments
-213 Votes
Chat Users
Search
Işıl Özgü
Kenan Zeynalov
Burhan Tabak
Tuna Saygın

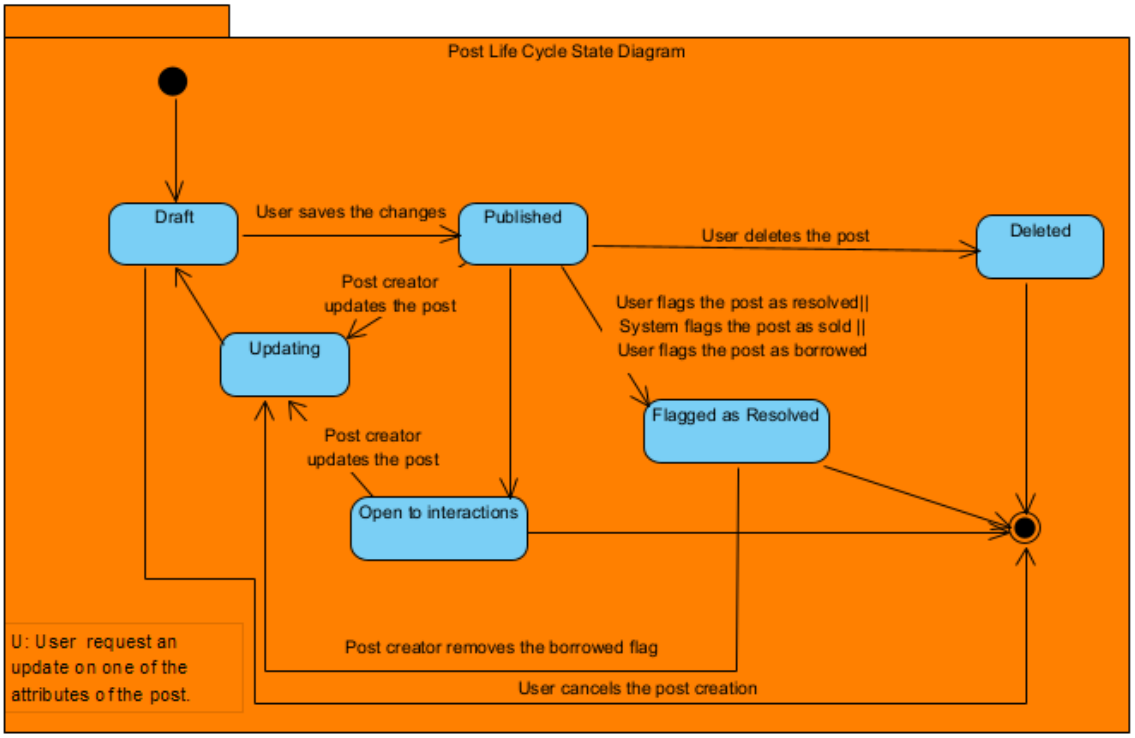
State Diagrams

Account Life Cycle

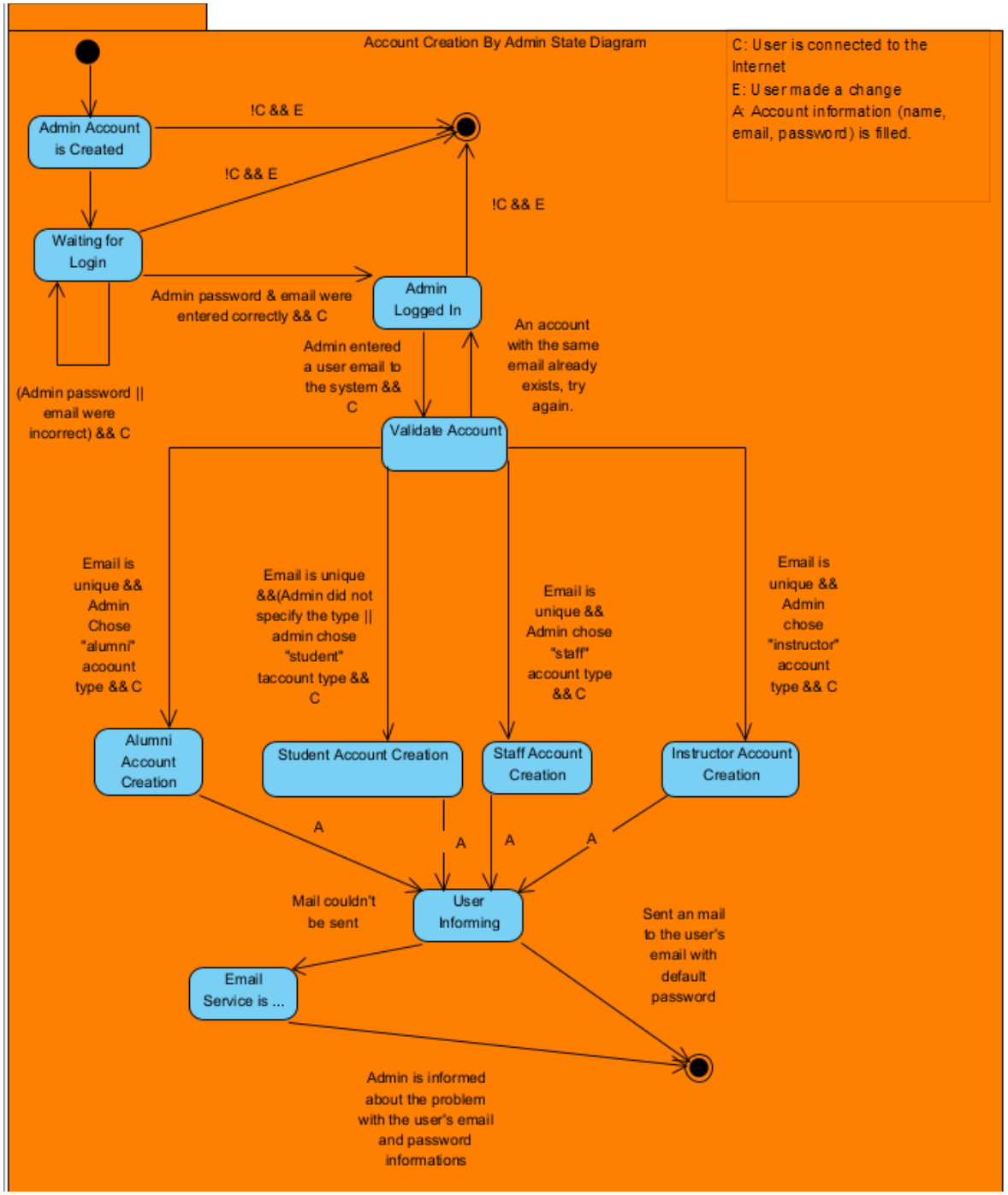


Here, we consider “misconduct charges” for account management. Other than the admin, if the user is charged for misconduct in any trading post for three times, the user will be banned by the system automatically. Other than that, the admin can also ban the user based on the reports they receive.

Post Life Cycle

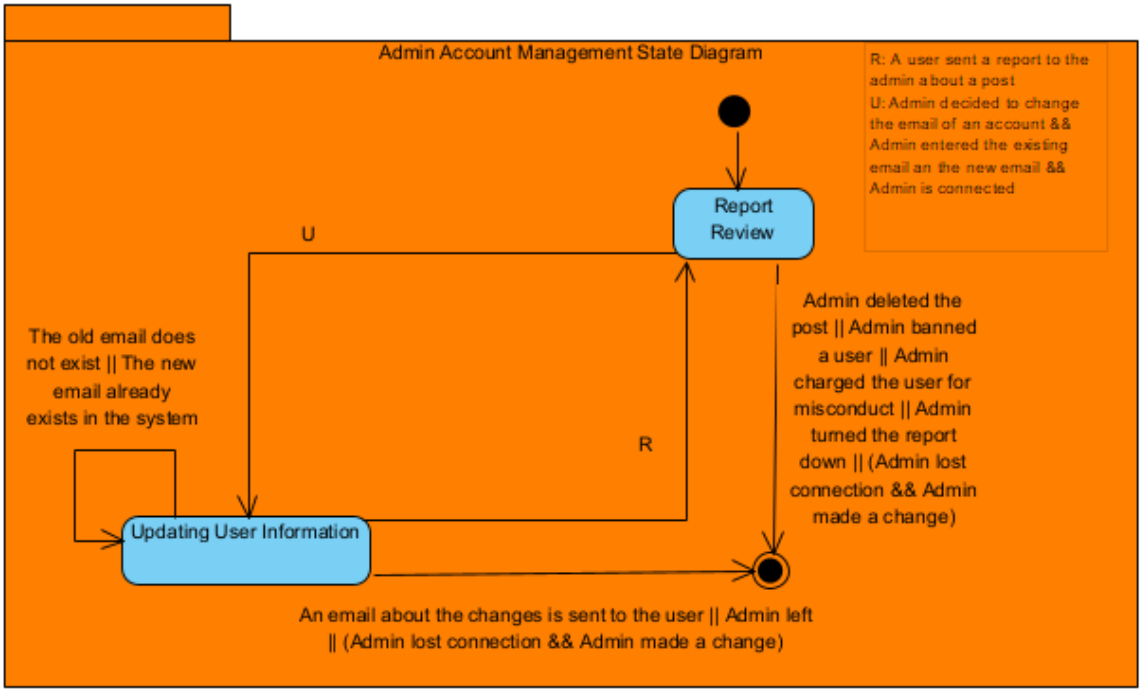


Account Creation

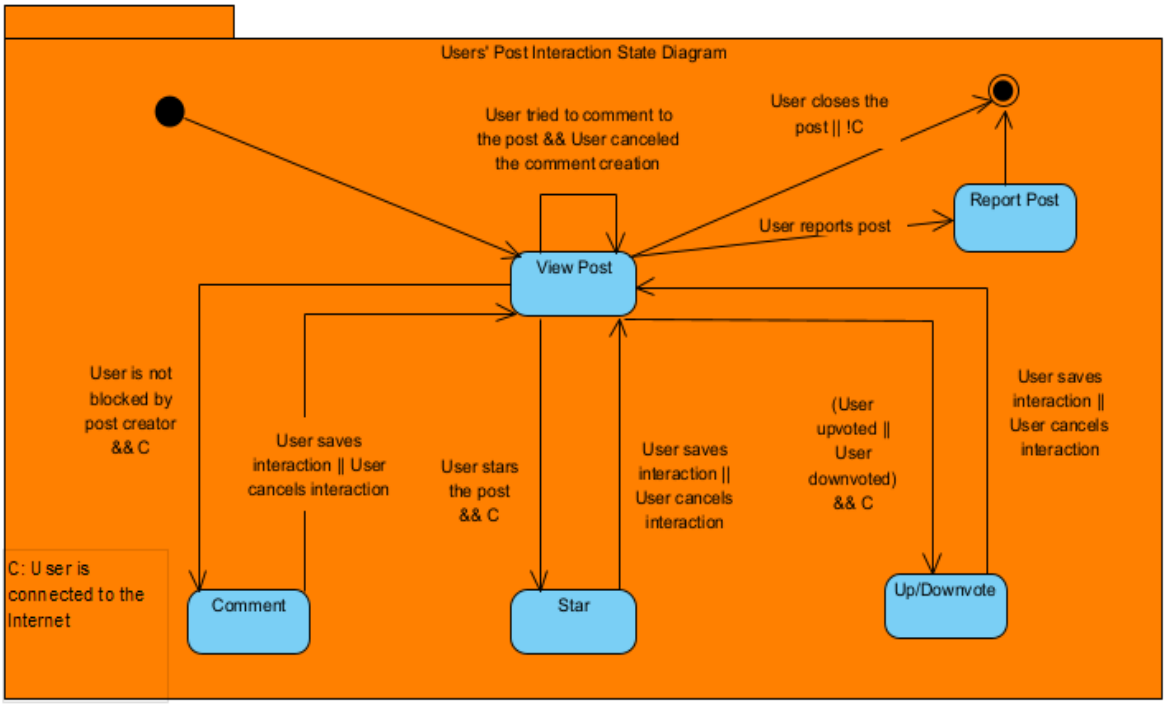


After validation of an account, the system automatically generates a random password that satisfies the password length requirements. After that, an email will be sent to the user who just got their account created and their password. The email will also include a password reset link and a text that highly recommends that users change their passwords.

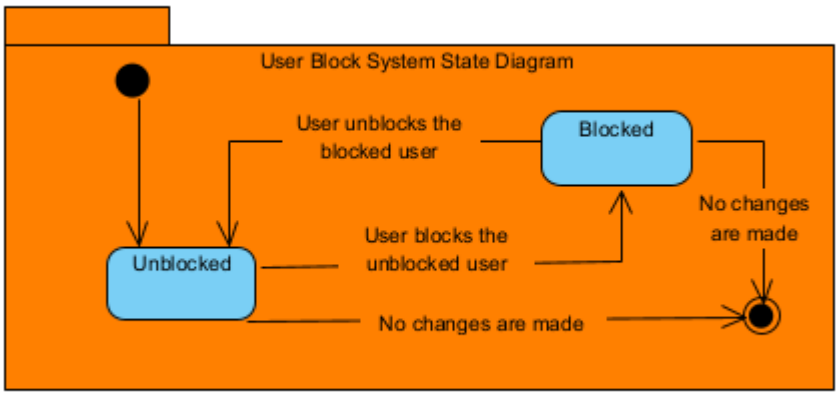
Admin Account Management



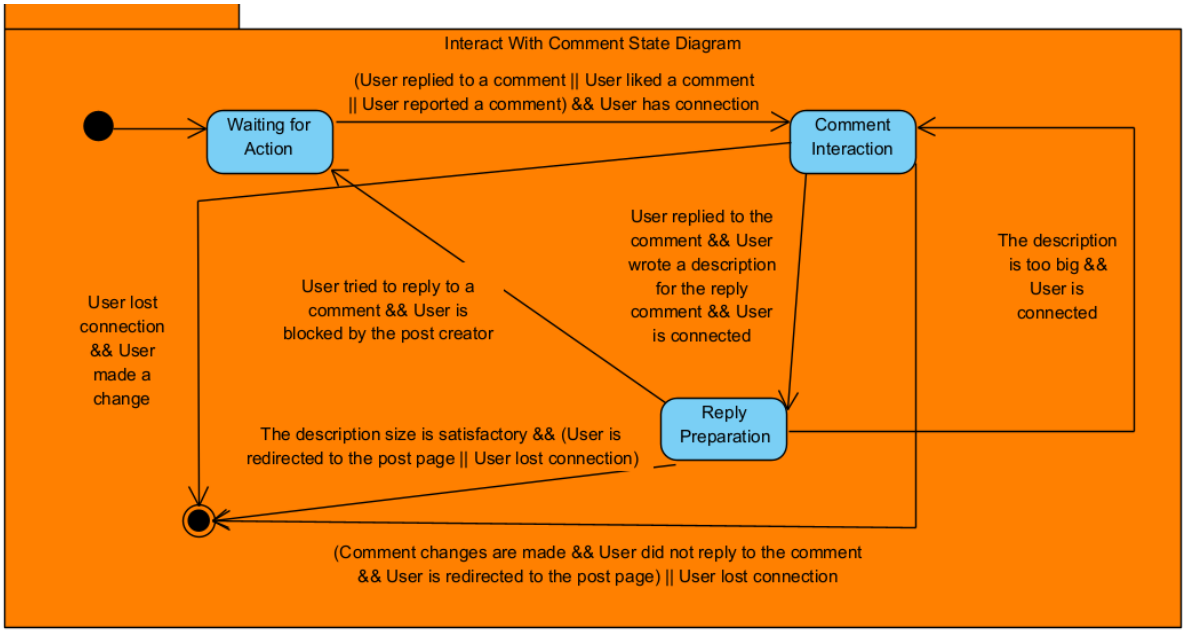
Users' Post Interaction



User Block System

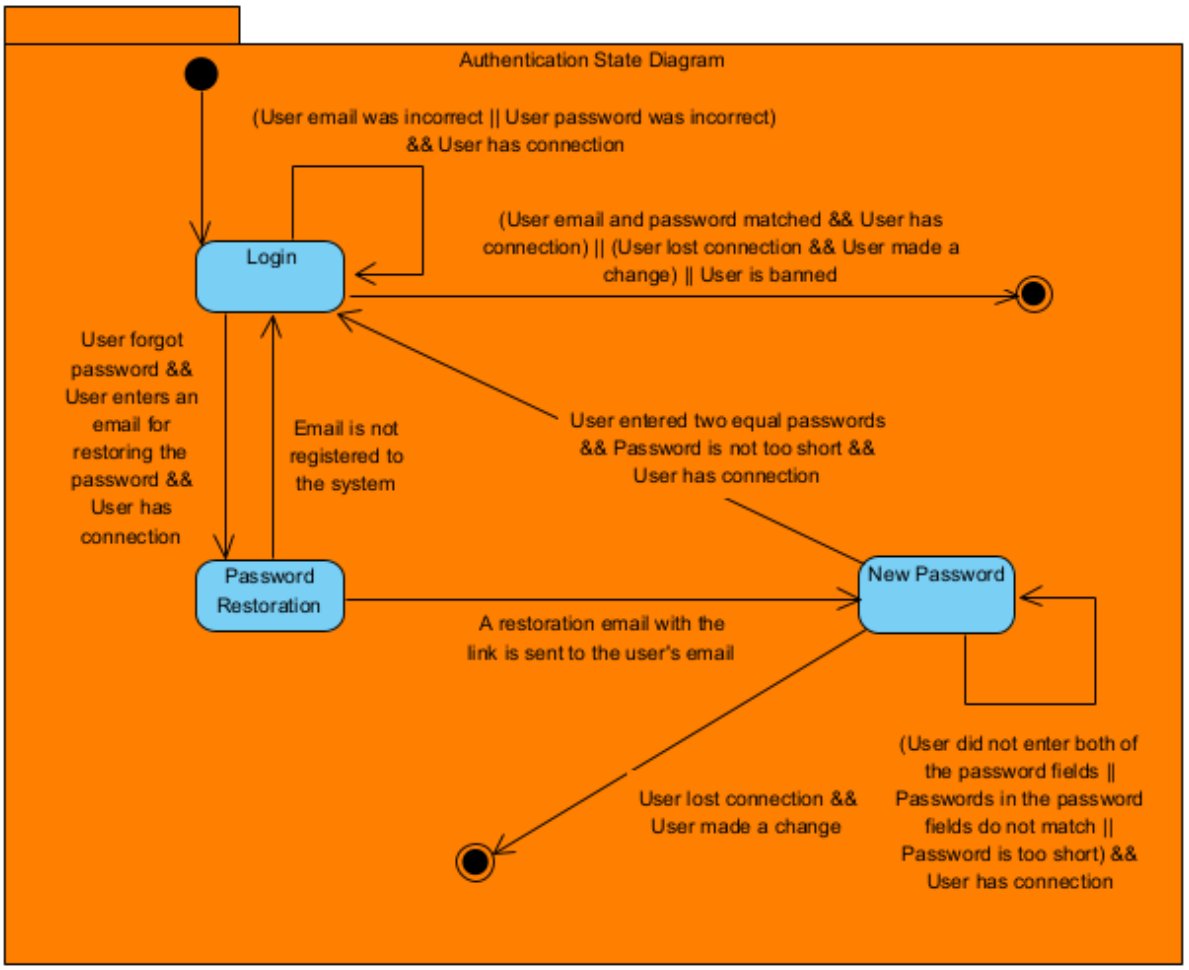


Interact With Comment



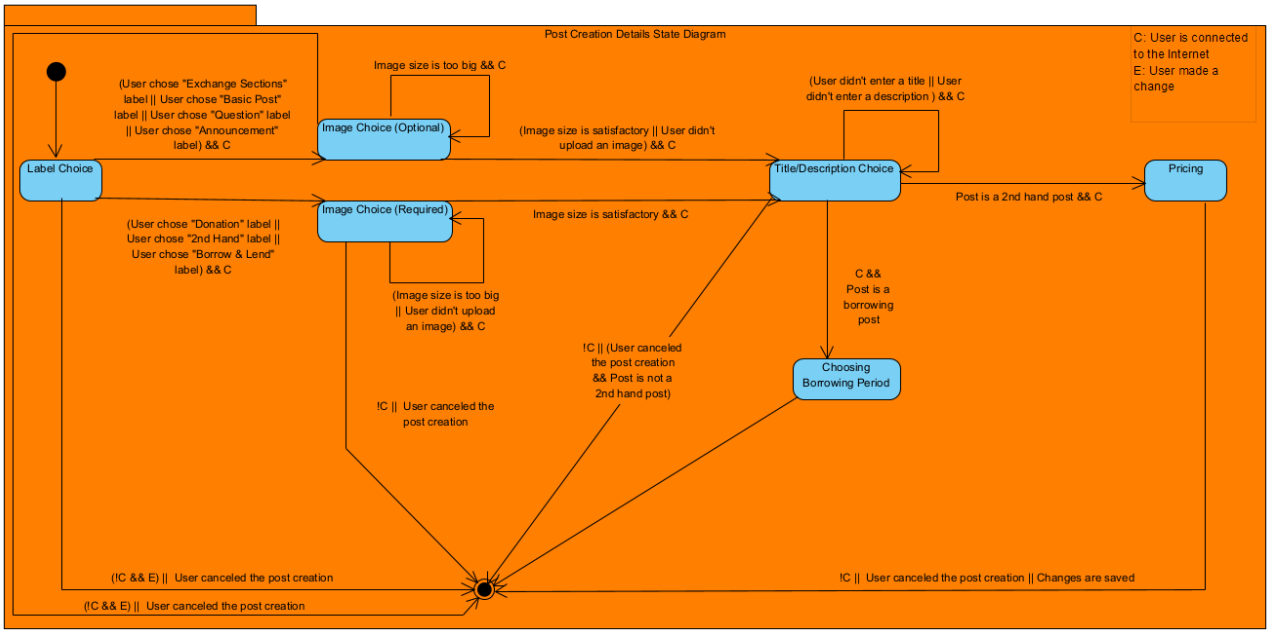
A comment is created based on multiple requirements, such as the description length and whether the comment creator blocked the user or the post creator. Based on the checks, the comment is prepared and finally posted.

Authentication



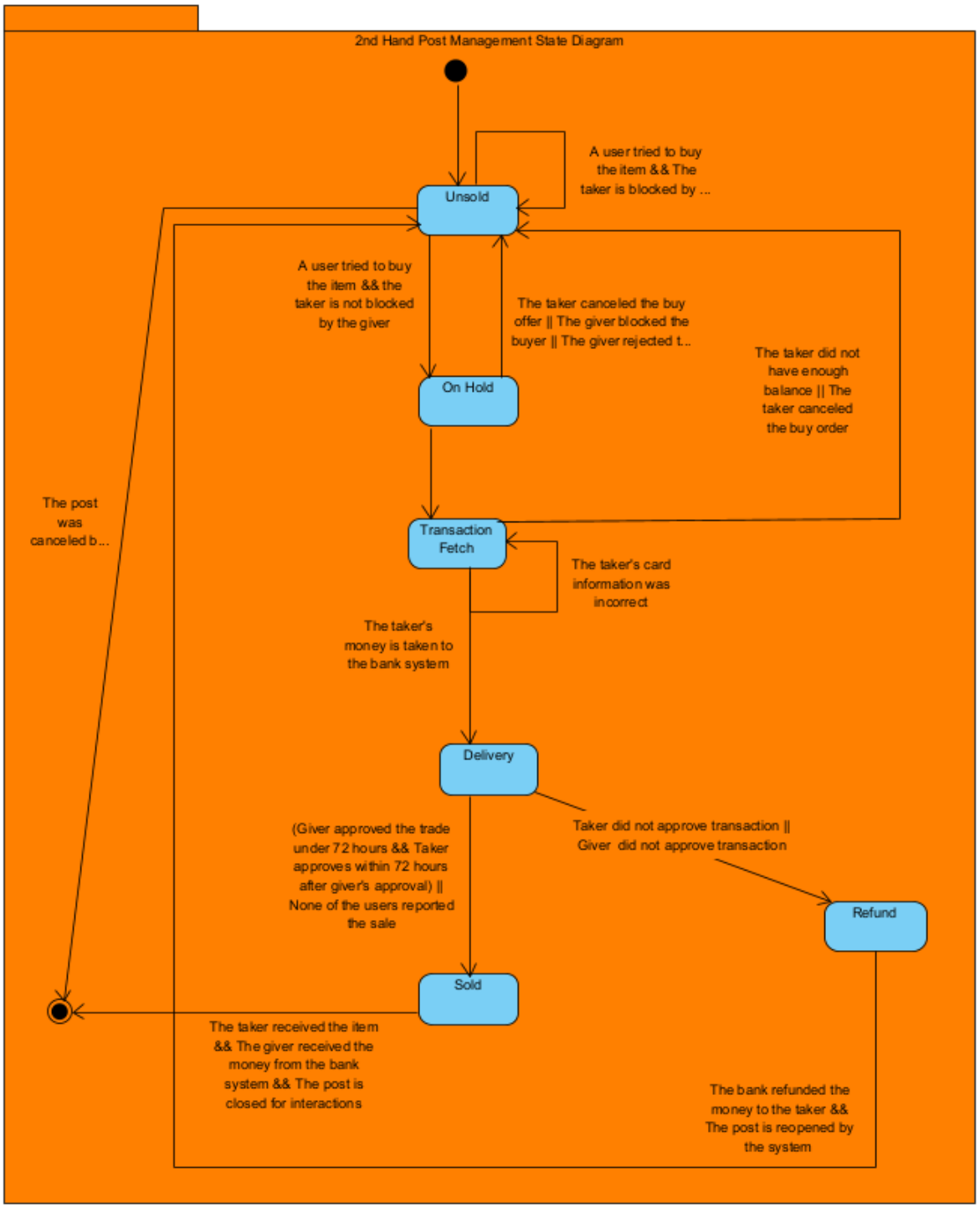
Authentication cannot be done if the user is banned. Also, if the user forgets their password, a link is sent to their email account with a reset link. The link has two text blocks that require password inputs each. Each password must be equal to each other and satisfactory in length. After correcting, the user will be redirected to the login page.

Post Creation



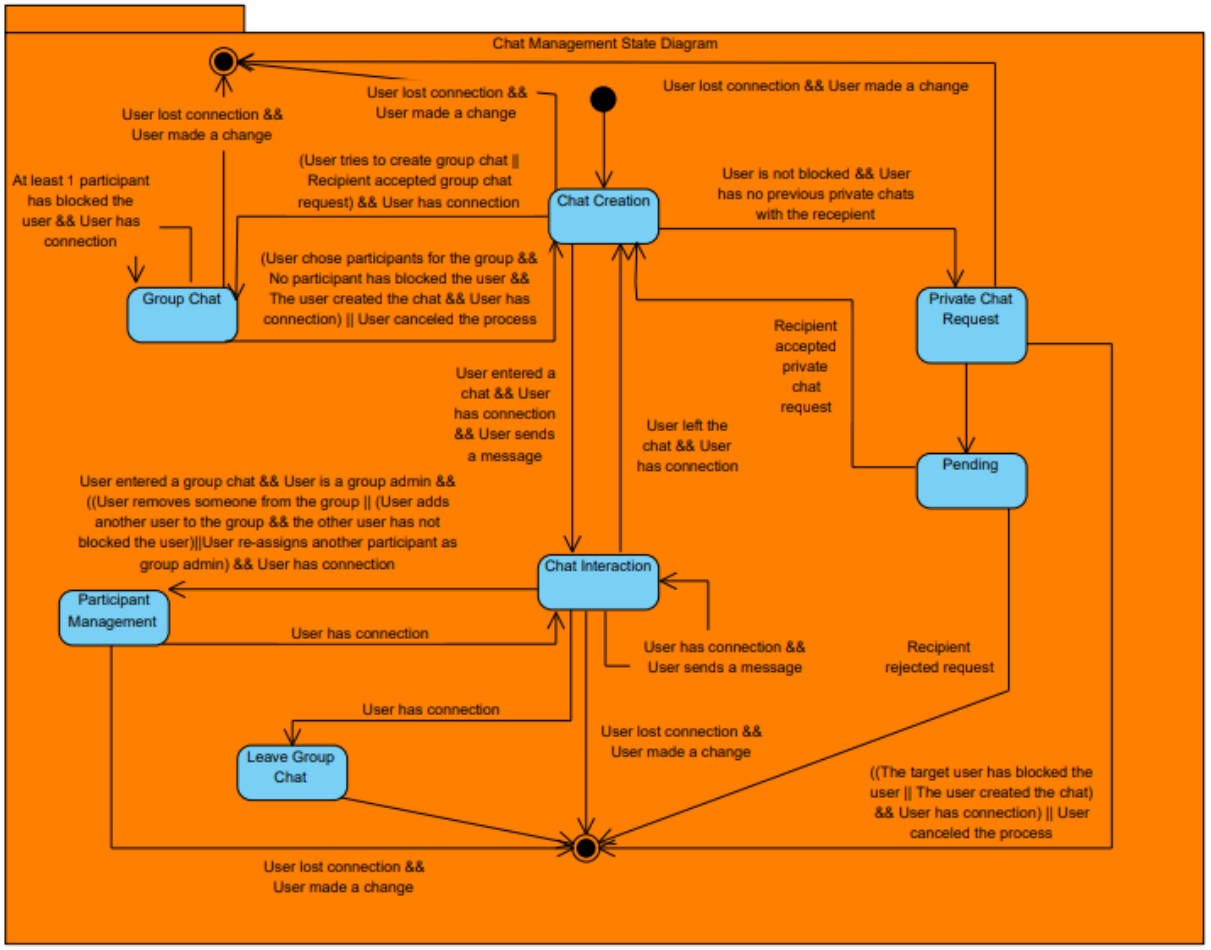
Pricing is an additional state that is only done for posts that require pricing information. If the post is a trading post that requires payment, the extra state is covered, and then the post is created.

2nd Hand Post Management



Using a 3rd Party Bank Account, the money that the giver pays is held in the banking account for 72 hours. After each side approves their trading being done, the money will be given to the giver. Similarly, if no sides disapprove of the transaction, but at least one side does not accept the trading, the money will automatically be refunded to the giver after 72 hours pass. If one side disapproves the transaction, the admin takes the lead in the problem.

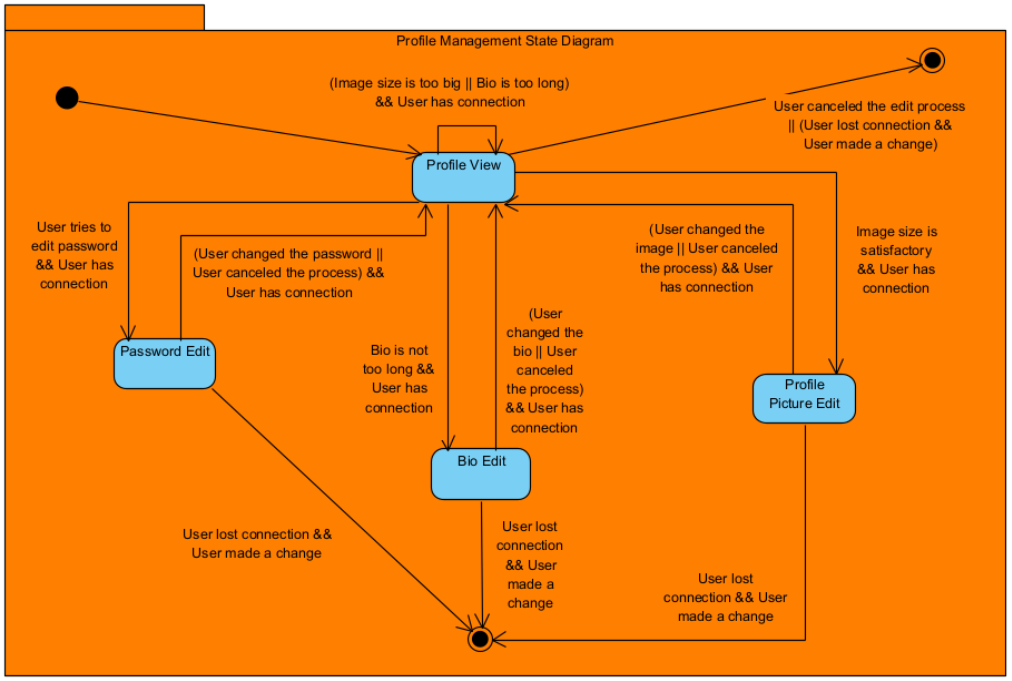
Chat Management



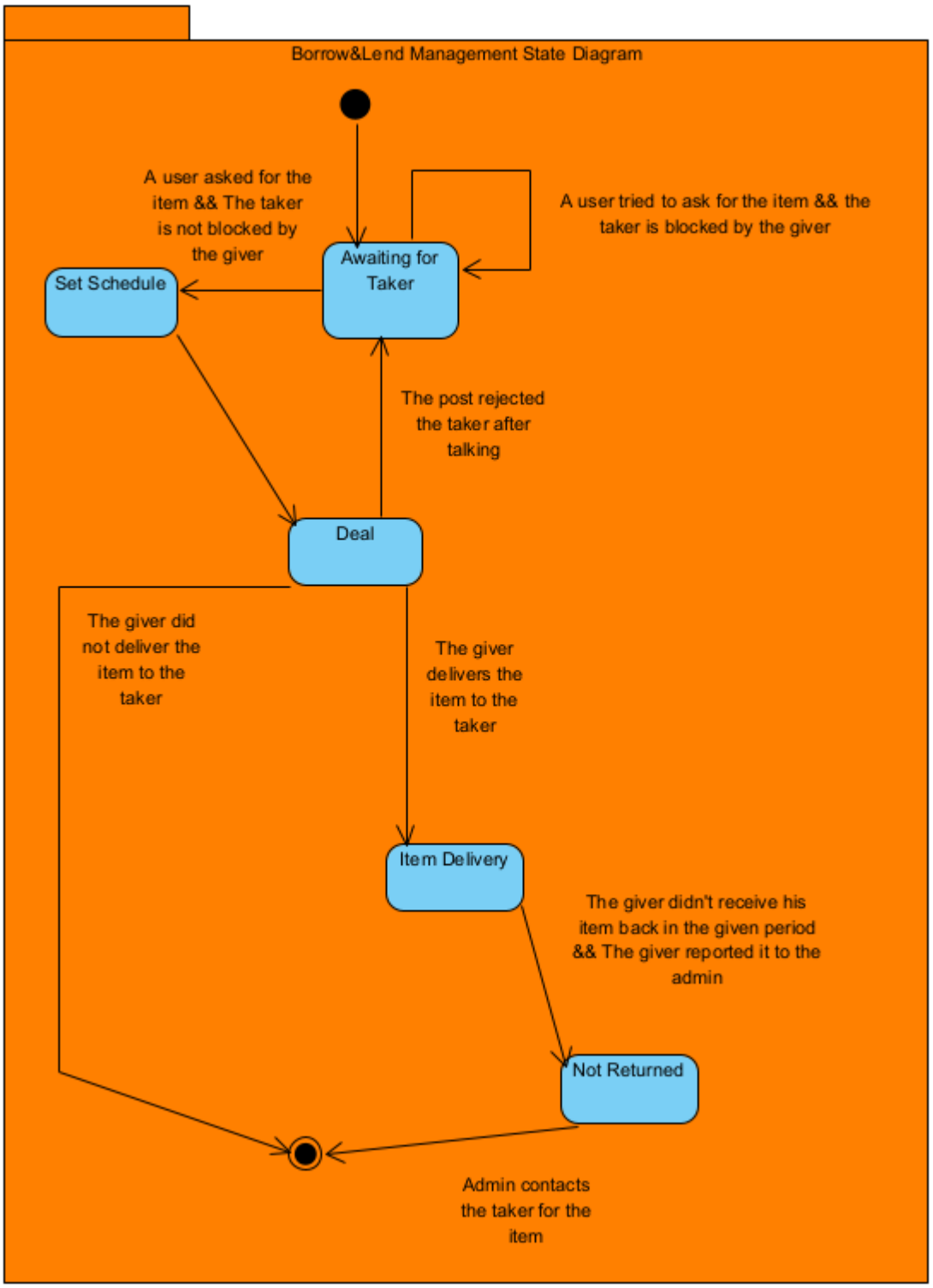
Group admin terms differ from those in WhatsApp/Discord/etc. Only one group admin can exist at a time. They have complete control over the participant management state for group chats. Also, the admin can re-assign another user with the group admin status. Then, the previous admin turns into a normal group member.

Another thing is each chat requires a request acceptance, like Instagram. Once the user confirms the request, they are redirected to the chat. Details can be seen in the “Chat Management” section under Visual Mock-up.

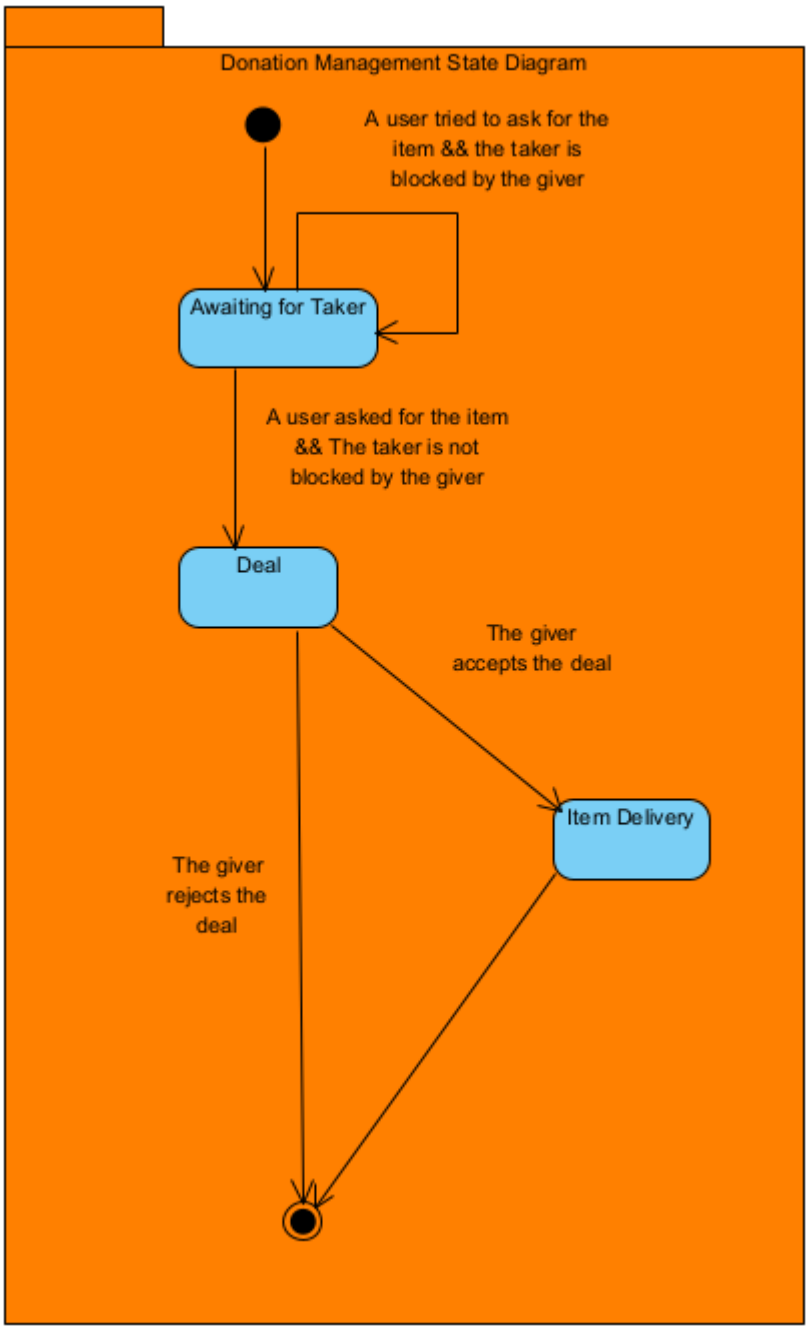
Profile Management



Borrow&Lend Management

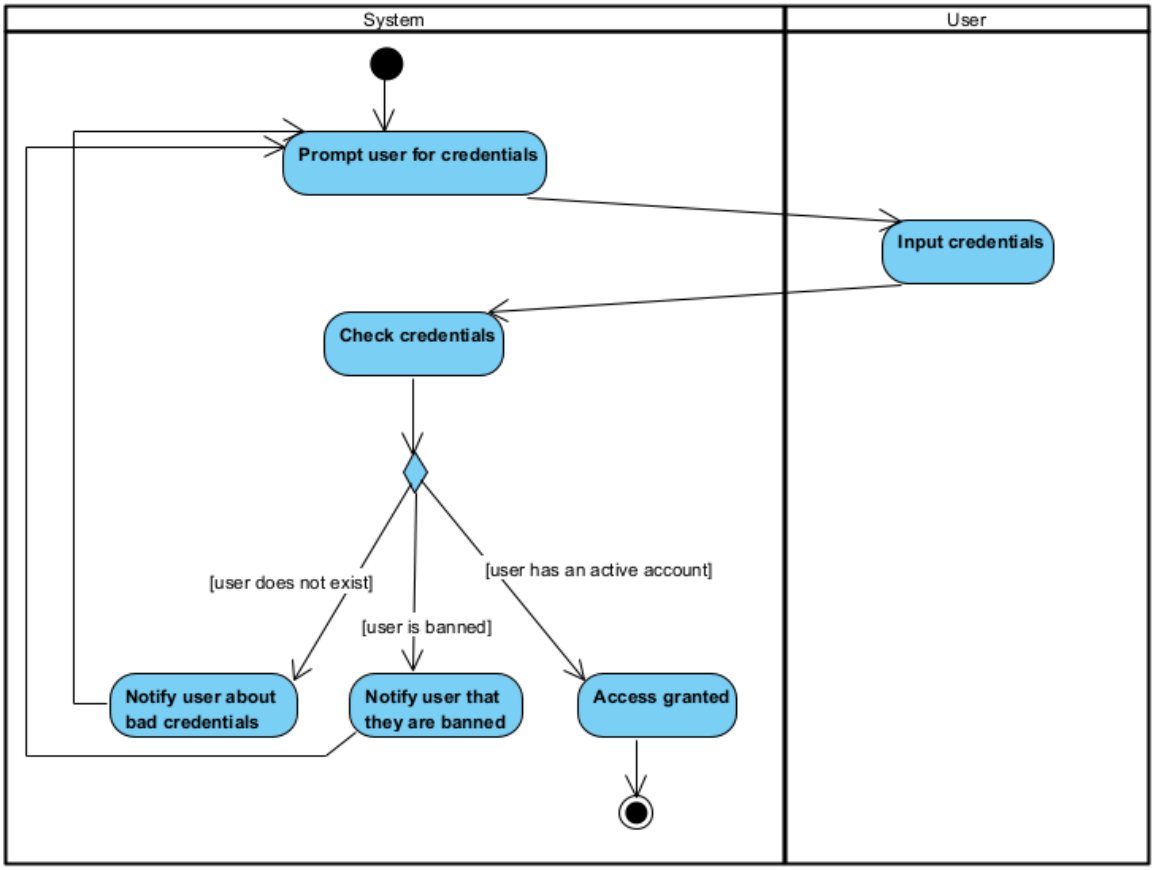


Donation Management

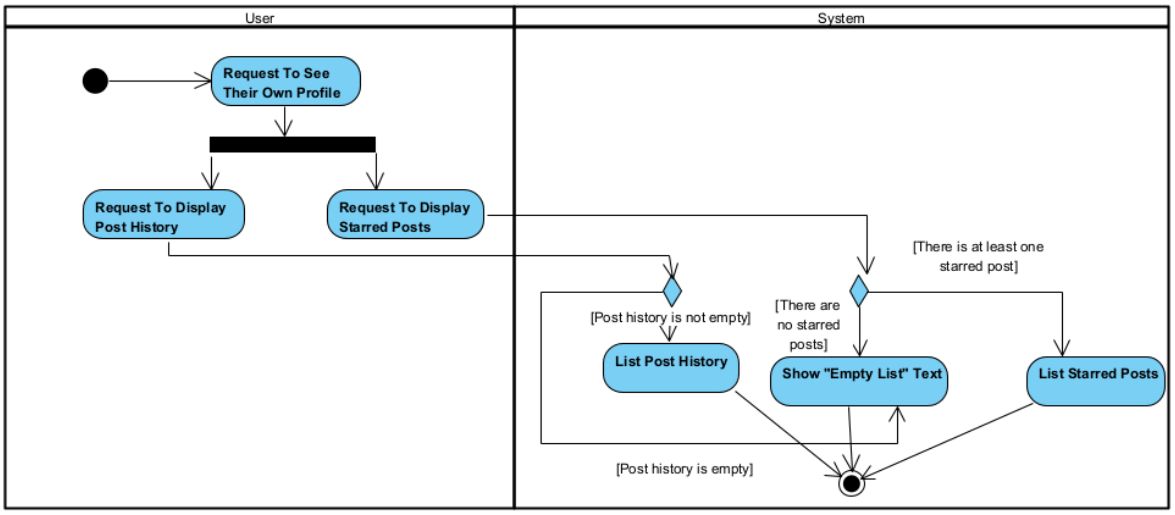


Activity Diagrams

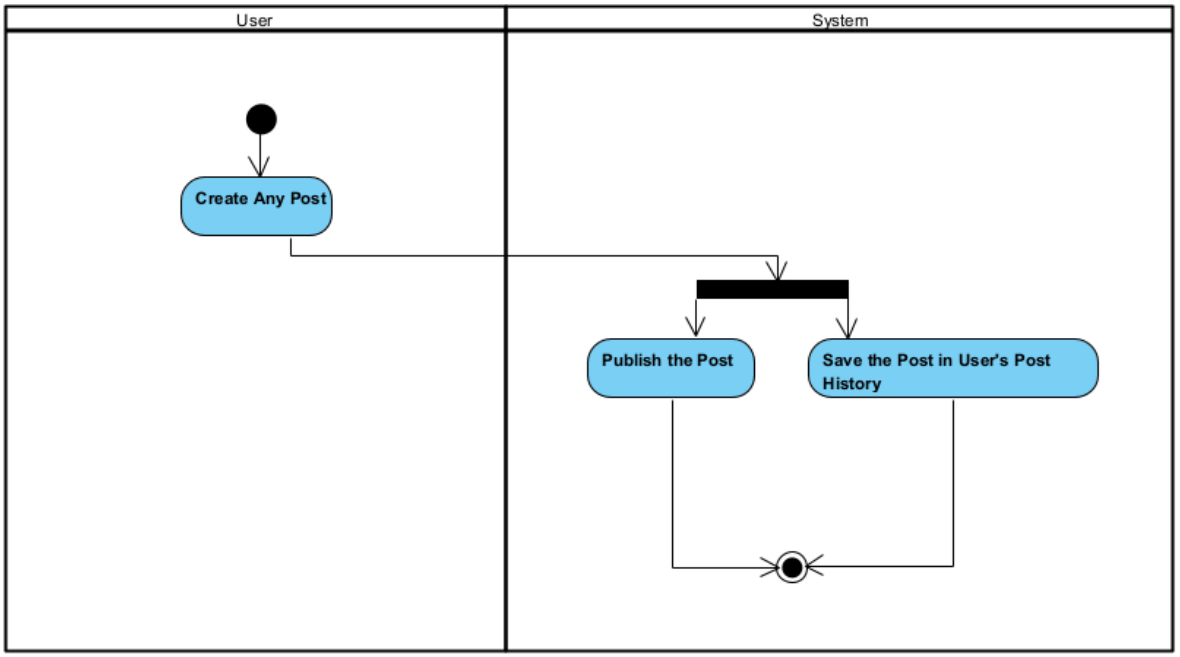
Login



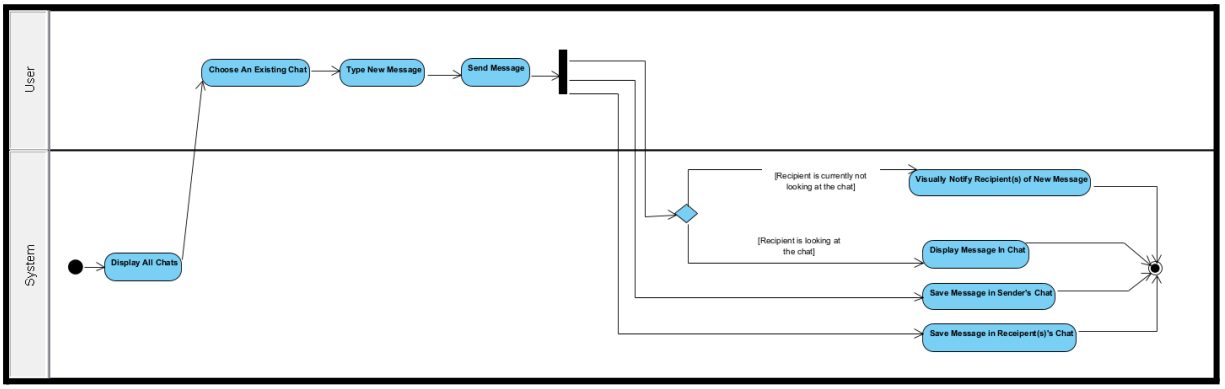
Archived Post Interaction



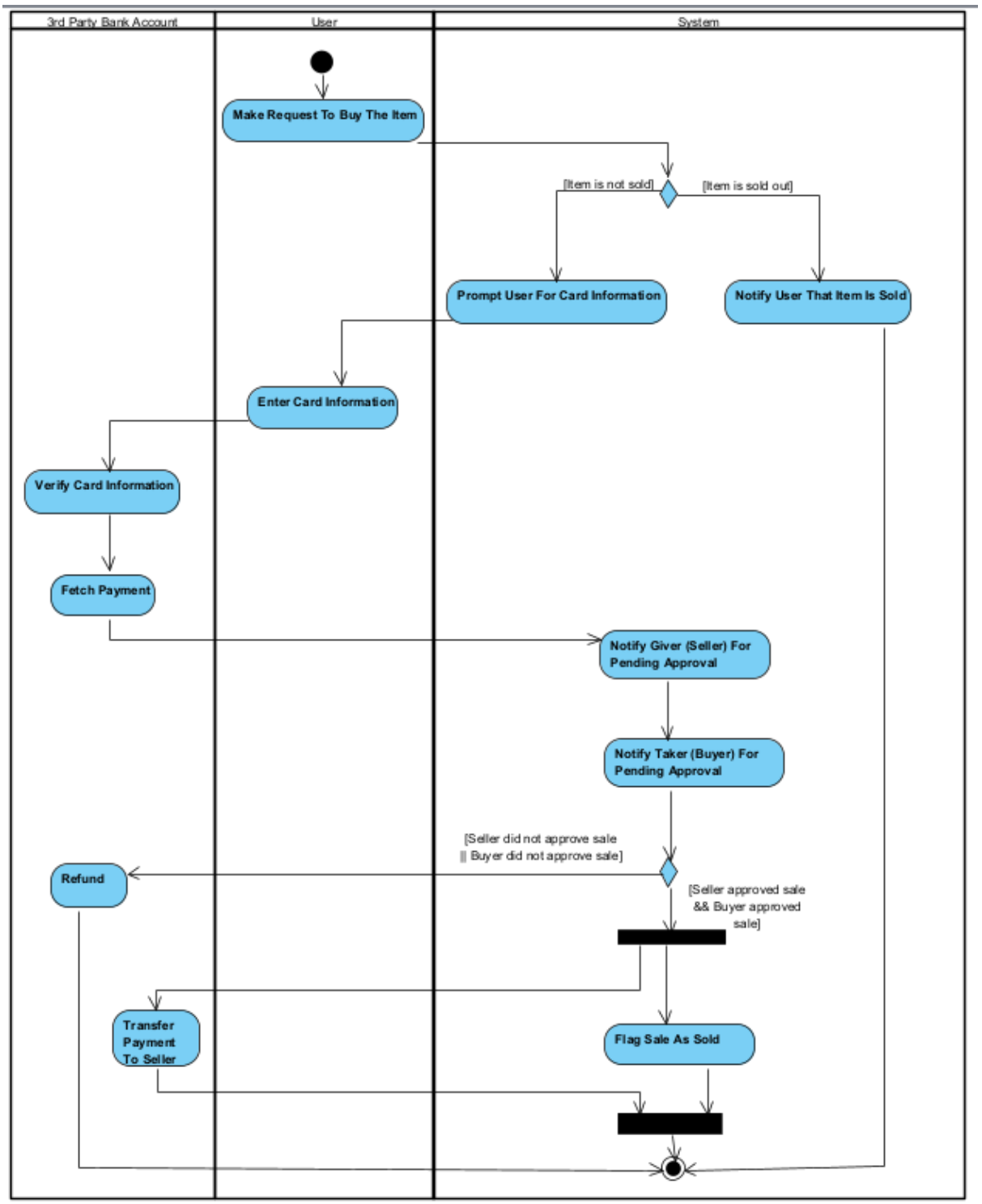
Create Post



Send Message

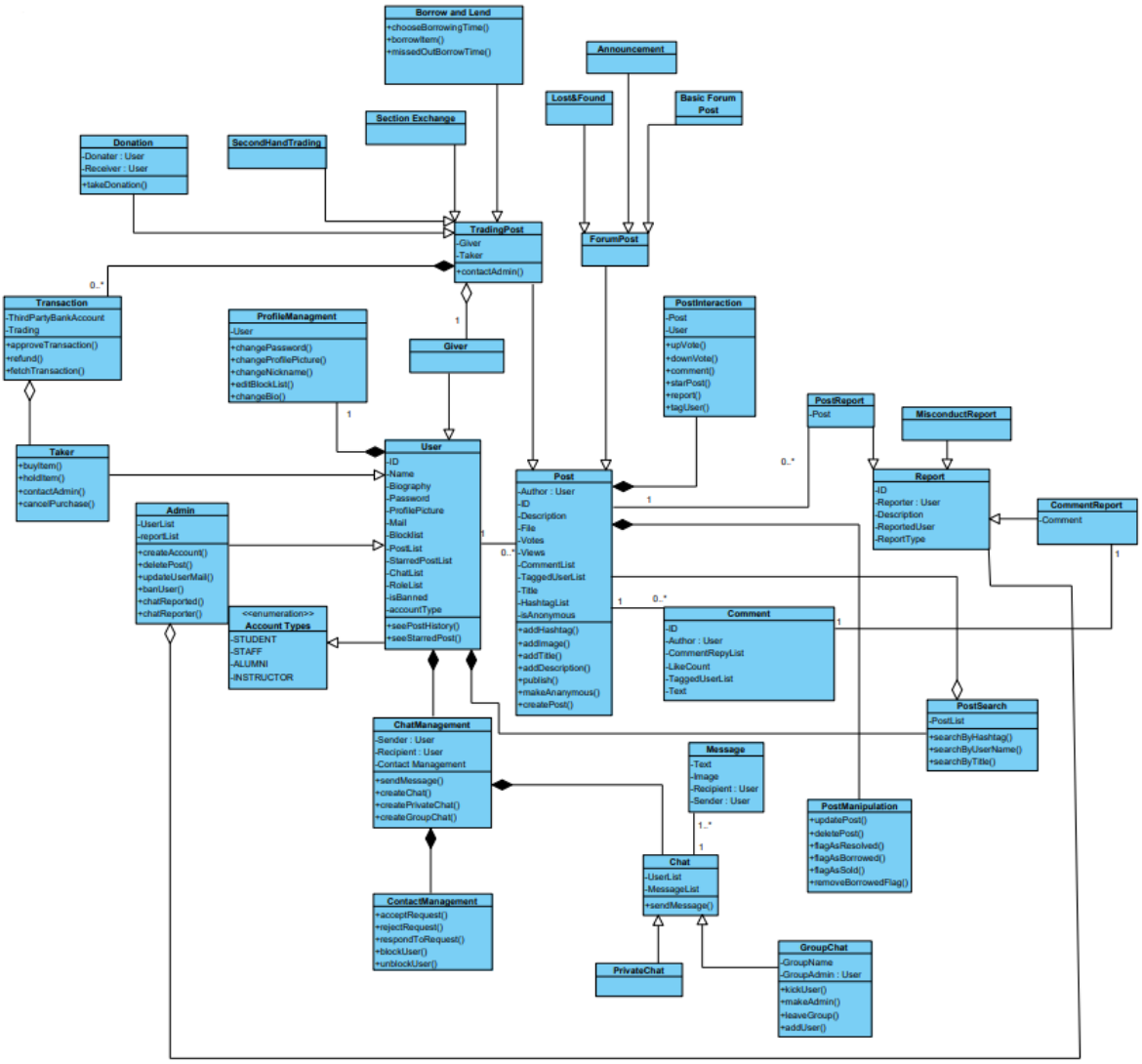


Transaction



The fetch payment process transfers the taker's (buyer) money into the 3rd Party Bank Account, and the money is contained there until both the taker and the giver (buyer and seller) confirm the sale. The giver approves that they delivered the item, and the taker approves that the item has been delivered to them safely. If they do not approve the sale, the money gets refunded to the taker. Otherwise, the money gets transferred to the giver, and the post gets flagged as sold to prevent future interactions. This system tries to prevent scams by containing the money in a 3rd Party Bank Account until the item reaches the taker.

Class Diagram

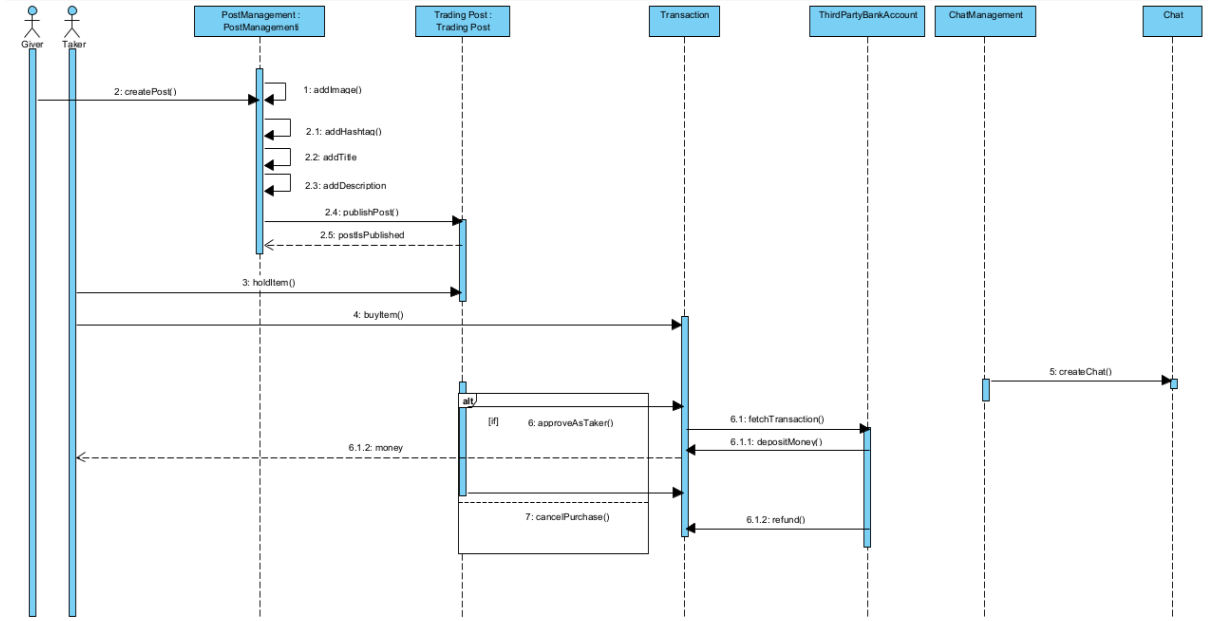


As a side note, the “3rd Party Bank Account” is converted into “ThirdPartyBankAccount” in the class and sequence diagrams since a class name cannot start with a digit.

Sequence Diagrams

Scenario 1

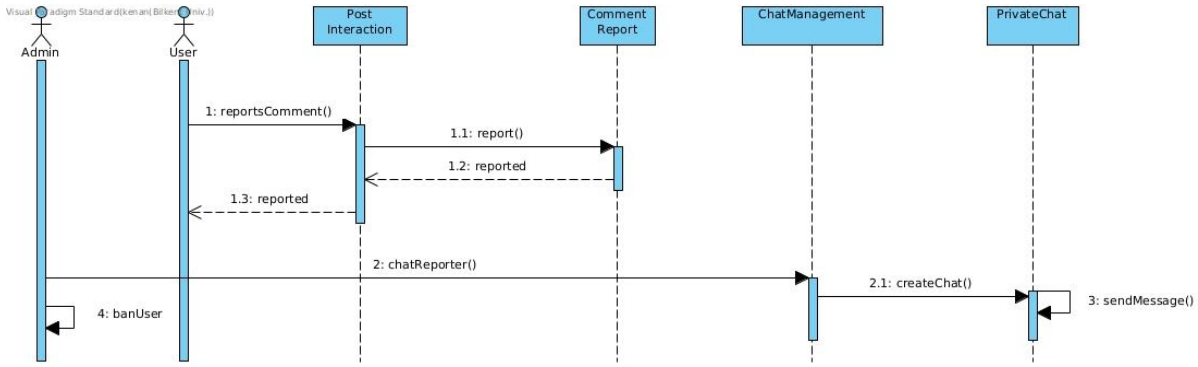
The giver creates a trading post with the required details and publishes it. The taker holds and buys the item. Transaction happens between two people through the Bank Account.



The giver (User) shares a trading post to sell his item. The taker (User) holds items to buy. After he proceeds to the buying process, a private chat is created for communication. Next, if the Taker decides to buy, he approves, and the transaction is fetched via the ThirdPartyBankAccount, and money is transferred to the Giver. On the other hand, if it is canceled, money is refunded to the Taker from the ThirdPartyBankAccount.

Scenario 2

The user reports a comment, which is sent to the Admin.



The user reports a comment in the post for a specific reason. After the report, the admin contacts the reporter via chat and bans the user afterward.