

# LogIn

Use Case Name: LogIn		ID: 1	Importance Level: High
Primary Actor: Admin, Manager, Expert, Buyer, Seller		Use Case Type: Detail, Essential	
Stakeholders and Interests: Manager – Wants to Safely LogIn to him/her profile Admin – Wants to Safely LogIn to him/her profile Expert – Wants to Safely LogIn to him/her profile Buyer – Wants to Safely LogIn to him/her profile Seller – Wants to Safely LogIn to him/her profile			
Brief Description: This use case describes how users can log in to the system.			
Trigger: By launching CarBaMa or by clicking the Login button. Type: External			
Relationships: Association: Admin, Manager, Expert, Buyer, Seller Include: Extend: Generalization:			
Normal Flow of Events: 1. The User enters his/her correct personnel code and password. 2. He/She types the characters of the CAPTCHA image into the box. 3. He/She clicks the LogIn button. 4. The information will be sent to the server for authorization. 5. The user is directed to his or her profile after access is granted and tokens are regenerated.			
Sub Flows:			
Alternate/Exceptional Flows: If the user enters the wrong password: 1. When the user clicks the account recovery button, an email or SMS with a recovery link will be sent to the user. 2. If the password is entered incorrectly several times, force the user to recover the account. 3. Otherwise, return to the normal flow.			

# LogOut

Use Case Name: LogOut		ID: 2	Importance Level: High
Primary Actor: Admin, Manager, Expert, Buyer, Seller		Use Case Type: Detail, Essential	
Stakeholders and Interests: Manager – Wants to Safely LogOut from him/her profile Admin – Wants to Safely LogOut from him/her profile Expert – Wants to Safely LogOut from him/her profile Buyer – Wants to Safely LogOut from him/her profile Seller – Wants to Safely LogOut from him/her profile			
Brief Description: This use case describes how the users can log out of the system.			
Trigger: By clicking on the LogOut option. Type: External			
Relationships: Association: Admin, Manager, Expert, Buyer, Seller Include: Extend: Generalization:			
Normal Flow of Events: 1. The user clicks on the LogOut option from the menu. 2. The information will be sent to the server for authorization. The access will be granted, refresh tokens will be generated, and the user will be returned to the main page.			
Sub Flows:			
Alternate/Exceptional Flows:			

# Profile Management

<b>Use Case Name:</b> Profile Management		<b>ID:</b> 3	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Admin, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to make changes to his/her profile as well as the profiles of other users. Buyer – Wants to have some modifications made to his or her profile. Seller – Wants to have some modifications made to his or her profile.			
<b>Brief Description:</b> The use case describes how the user can edit his or her information on the profile and even delete it, as well as how administrators can manage all user profiles and changes.			
<b>Trigger:</b> The user clicks on the Edit Profile button.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Buyer, Seller <b>Include:</b> Editing personal information, Deleting account permanently <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <ol style="list-style-type: none"><li>1. The user clicks on the "edit information" button.</li><li>2. The user is directed to the new page that contains his or her profile information.</li><li>3. Some fields are mandatory, and some of them are editable.</li><li>4. He or she can edit the editable fields as he or she wishes.</li><li>5. After clicking on the Done icon, the page redirects to the main profile with the new information, but the changes are marked with a “pending” sign.</li><li>6. Admin checks changes and uploaded documents and verifies them, and a successful change message will be shown on the page.</li><li>7. Then the user must verify that these changes were made intentionally, and to verify his or her profile, the user will be given a verification code.</li><li>8. Code verification will grant access to all profile features.</li><li>9. The system displays the user’s profile page.</li></ol>			
<b>Sub Flows:</b> <ol style="list-style-type: none"><li>1. when the user decides to delete his or her account permanently. He or she must get to the "Edit information" section and click on that option in the profile.</li><li>2. Click on "Delete my account permanently."</li><li>3. Then the user must verify that this action was taken intentionally, and to verify this, the user will be given a verification code.</li><li>4. All records of that person in the application's database will be permanently deleted after code verification.</li><li>5. The system displays the user’s profile page.</li></ol>			
<b>Alternate/Exceptional Flows:</b> If the changes or the uploaded documents do not get verified, or if the verification code was incorrect: <ol style="list-style-type: none"><li>1. This will cancel and dismiss the process, and the user will be redirected to the main page.</li></ol>			

# Represent

<b>Use Case Name:</b> Represent		<b>ID:</b> 4	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Admin, Manager, Expert, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Manager – Wants to visit and explore Ads Admin – Wants to visit and explore Ads Expert – Wants to visit and explore Ads Buyer – Wants to visit and explore Ads Seller – Wants to visit and explore Ads			
<b>Brief Description:</b> This use case describes how the user can find and visit an ad.			
<b>Trigger:</b>			
<b>Type:</b> Internal			
<b>Relationships:</b> <b>Association:</b> Admin, Manager, Expert, Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div>1. The user enters constraints for his or her specific target of seeing advertisements.</div> <div>2. He or she clicks the Search button.</div> <div>3. He or she visits the search results.</div>			
<b>Sub Flows:</b> If he/she wants to learn more about a specific ad: <div>1. Upon clicking on the ad, the user can see more details, along with ways to communicate, a sharing link, and a simple price comparison diagram.</div>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: <div>1. Asks the user to carefully enter another constraint.</div>			

# Payment Services

<b>Use Case Name:</b> Payment Services		<b>ID:</b> 5	<b>Importance Level:</b> High
<b>Primary Actor:</b> Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Buyer – Wants to increase his or her account charge, deposit money, or withdraw money Seller – Wants to increase his or her account charge, deposit money, or withdraw money			
<b>Brief Description:</b> This use case describes how a buyer or seller can withdraw or deposit an amount of money in his or her account.			
<b>Trigger:</b> The user (buyer or seller) clicks on the deposit or withdraw button on the account.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Buyer, Seller <b>Include:</b> Deposit, Withdraw <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> 1. The user clicks on the deposit or withdraw button on the account. 2. He or she is redirected to the transaction environment.			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b>			

# Deposit

<b>Use Case Name:</b> Deposit		<b>ID:</b> 6	<b>Importance Level:</b> High
<b>Primary Actor:</b> Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Buyer – Wants to increase his or her account charge or pay money to other users Seller – Wants to increase his or her account charge or pay money to other users			
<b>Brief Description:</b> This use case describes how a buyer or seller can deposit an amount of money in his or her account as a charge, maybe to subscribe to a feature or buy a car, etc.			
<b>Trigger:</b> The user (buyer or seller) clicks on the deposit button on the account.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>The user clicks on the deposit option on the account.</div></div> <div><div>2.</div><div>The user will choose the amount of money and his or her preferred payment platform.</div></div> <div><div>3.</div><div>He or she is redirected to the transaction environment.</div></div> <div><div>4.</div><div>The user is asked to enter his or her card information.</div></div> <div><div>5.</div><div>Clicks on the Finish button.</div></div> <div><div>6.</div><div>There will be a redirect to the previous page, and the account will be charged.</div></div> <div><div>7.</div><div>The success of the transaction will be announced by email or SMS to the user</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> In the event of an unsuccessful transaction: <div><div>1.</div><div>The user’s money is rolled back into his or her pocket, which shows the failure of the operation to the user, and a redirect is made to the last page.</div></div>			

# Withdraw

<b>Use Case Name:</b> Withdraw		<b>ID:</b> 7	<b>Importance Level:</b> High
<b>Primary Actor:</b> Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Buyer – Wants to withdraw some amount of money he or she has in his or her account Seller – Wants to withdraw some amount of money he or she has in his or her account			
<b>Brief Description:</b> This use case describes how a buyer or seller can deposit an amount of money in his or her account as a charge, maybe to subscribe to a feature or buy a car, etc.			
<b>Trigger:</b> The user (buyer or seller) clicks on the withdraw button on the account.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div>1. The user clicks on the withdraw option on the account.</div> <div>2. The user will choose the amount of money and his or her preferred payment platform.</div> <div>3. His or her account balance will be blocked for the mentioned amount.</div> <div>4. The user is asked to select his or her card information and submit the filled-out information.</div> <div>5. A receipt will be generated for the user with a tracking code to check the payment process.</div> <div>6. He or she will redirect to the previous page.</div> <div>7. The payment will take place at the end of the first working day.</div> <div>8. The blocked amount of money will be deducted from his or her account.</div> <div>9. The success or failure of the transaction will be announced by email or SMS to the user at the end of the first working day.</div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> In the event of an unsuccessful transaction: <div>1. The blocked amount of money will be unblocked, and the user will get notified about the reason for this event via email or SMS in due time.</div>			

# Sign Up

<b>Use Case Name:</b> Sign Up		<b>ID:</b> 8	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Manager, Expert, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Manager – Wants to register an account Admin – Wants to register an account Expert – Wants to register an account Buyer – Wants to register an account Seller – Wants to register an account			
<b>Brief Description:</b> To register a new user, the user should be able to register himself or herself in CarBaMa.			
<b>Trigger:</b> The user clicks the "Sign Up" tab on the navigation bar.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Manager, Expert, Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <ol style="list-style-type: none"><li>1. The use case starts when the user clicks the "Sign Up" tab on the navigation bar.</li><li>2. The system displays the signup page that allows users to fill in their username or email address, first and last name, password, location, and so on.</li><li>3. The user also has to choose his or her role and upload his or her authentication documents.</li><li>4. The user keys in the details and clicks the "Sign Up" button.</li><li>5. Admin checks uploaded documents and verifies them, and a successful registration message will be shown on the page.</li><li>6. To use all the features of the profile, the user must verify the account. To verify his or her profile, the user will be given a verification code.</li><li>7. Code verification will grant access to the free plan profile features.</li><li>8. The system displays the user’s profile page.</li></ol>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the uploaded documents do not get verified: <ol style="list-style-type: none"><li>1. The registration will be cancelled and dismissed.</li><li>2. The user will be redirected to the sign up page to complete a new form of registration.</li></ol> If the verification code was incorrect: <ol style="list-style-type: none"><li>1. The user will not have access to all the features of the application.</li><li>2. The registration and user's profile will be marked as not activated.</li></ol> If the username wasn't unique: <ol style="list-style-type: none"><li>1. The user will be guided to enter another username again and go to the normal flow.</li></ol>			



# Ads Management

<b>Use Case Name:</b> Ads Management		<b>ID:</b> 9	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to add, delete, and modify submitted user ads in special cases Seller – Wants to add, delete, and modify ads			
<b>Brief Description:</b> This use case describes how the admin and seller can add, delete, and modify ads.			
<b>Trigger:</b> Those who have access to Ads Management clicked on this icon.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Seller <b>Include:</b> Add ad, Edit ad, Delete ad <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>By clicking on the "Ads Management" option, a list of all features such as adding, editing, and deleting an ad will be shown.</div></div> <div><div>2.</div><div>In normal flow, it is considered that the user will add an advertisement, so he or she will complete the required text fields of the adding form.</div></div> <div><div>3.</div><div>A group of side photos of the car will be required for creating a 3D view of the advertised car.</div></div> <div><div>4.</div><div>After the ad and its images have been verified, an email describing the successful action, including the ad share link, will be sent to the user's email.</div></div> <div><div>5.</div><div>The user will be redirected to "Ads Management" panel.</div></div>			
<b>Sub Flows:</b> <div><div>1.</div><div>In addition to adding, editing, and deleting an ad again, users and administrators can dismiss the options and go back to the main page of the application.</div></div>			
<b>Alternate/Exceptional Flows:</b> If the ad's details or images do not get verified: <div><div>1.</div><div>The ad will be marked as incomplete and will not get published on the website.</div></div> <div><div>2.</div><div>A message will be sent to the user reminding him or her to check out the most recent updates to their ads and requesting that the user carefully edit their entries.</div></div> <div><div>3.</div><div>Now if the entries are false again, their ads will be discarded. But if the edited ad gets verified, the ad will be published in the application.</div></div>			

# Search

<b>Use Case Name:</b> Search		<b>ID:</b> 10	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Admin, Manager, Expert, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Manager – Wants to filter the Ads and search between them Admin – Wants to filter the Ads and search between them Expert – Wants to filter the Ads and search between them Buyer – Wants to filter the Ads and search between them Seller – Wants to filter the Ads and search between them			
<b>Brief Description:</b> This use case describes how the user can search and filter between the Ads.			
<b>Trigger:</b> In the search box, type keywords or select filter options and press the magnifier icon.			
<b>Type:</b> Internal			
<b>Relationships:</b> <b>Association:</b> Admin, Manager, Expert, Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> 1. The user enters constraints for his or her specific advertisements. 2. He or she simply clicks the magnifier icon or presses enter. 3. He or she visits the search results.			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: 1. Requests that the user enter another constraint with care.			

# Subscription Management

<b>Use Case Name:</b> Subscription Management		<b>ID:</b> 11	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to manage users' subscriptions Buyer – Wants to manage his or her subscription Seller – Wants to manage his or her subscription			
<b>Brief Description:</b> This use case describes how an admin, buyer, or seller can manage his or her subscription.			
<b>Trigger:</b> On their home page, the admin, buyer, or seller click the Subscription Management button.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Buyer, Seller <b>Include:</b> Subscription Purchase, Subscription Update <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> 1. The user will click on the Subscription Management button in his or her profile. 2. He or she can click on one of the subscription purchase or subscription update buttons. 3. After the process is successfully completed, an email or SMS will be sent to appropriate user.			
<b>Sub Flows:</b> 1. This use case has two subflows: subscription purchase and subscription update.			
<b>Alternate/Exceptional Flows:</b>			

# Subscription Purchase

<b>Use Case Name:</b> Subscription Purchase		<b>ID:</b> 12	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to help users with purchasing subscriptions in case of need Buyer – Wants to purchase a subscription for himself or herself Seller – Wants to purchase a subscription for himself or herself			
<b>Brief Description:</b> This use case describes how users can purchase or renew their subscription.			
<b>Trigger:</b> Users click on the "Subscription Purchase" button in the Subscription Management page.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div>1. Clicking on the "Subscription Purchase" button in the Subscription Management page of the profile.</div> <div>2. He or she can search and filter the subscription plans in a list.</div> <div>3. He or she selects one of the listed subscription plans from the search query records.</div> <div>4. He or she sees more information about the selected subscription.</div> <div>5. He or she fills out the selected subscription’s form fields.</div> <div>6. A pro forma invoice will be generated, and the user can see the amount of money he or she has to pay for this plan.</div> <div>7. The user will return to the transaction environment and pay the subscription fee.</div> <div>8. The successful transaction message will be followed by the final invoice for the user.</div> <div>9. The profile’s subscription section will get updated, and users will confirm the changes.</div> <div>10. An invoice will be emailed to the user along with a receipt for this transaction and a few details about this subscription plan.</div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: <div>1. Requests that the user enter another constraint with care.</div> In the event of an unsuccessful transaction: <div>1. The user’s money is rolled back into his or her account, which shows the failure of the operation to the user, and a redirect is made to the last page.</div>			

# Subscription Update

<b>Use Case Name:</b> Subscription Update		<b>ID:</b> 13	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Buyer, Seller		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to help users with editing or updating their subscription plans in case of need Buyer – Wants to edit or update his or her subscription plan Seller – Wants to edit or update his or her subscription plan			
<b>Brief Description:</b> This use case describes how users can update or edit their current subscription plan.			
<b>Trigger:</b> Users click on the "Subscription Update" button in the Subscription Management page.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Buyer, Seller <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <ol style="list-style-type: none"><li>1. Clicking on the "Subscription Update" button in the Subscription Management page of the profile.</li><li>2. He or she can search and filter the subscription plans in a list.</li><li>3. He or she selects one of the listed subscription plans from the search query records.</li><li>4. He or she sees more information about the selected subscription.</li><li>5. He or she fills out the selected subscription’s form fields.</li><li>6. A pro forma invoice will be generated, and the remaining subscription amount will be subtracted from the new subscription tariff.</li><li>7. The user can view the amount he or she must pay.</li><li>8. The user will return to the transaction environment and pay the fee.</li><li>9. The successful transaction message will be followed by the final invoice for the user.</li><li>10. The profile’s subscription section will get updated, and users will confirm the changes.</li><li>11. An invoice will be emailed to the user along with a receipt for this transaction and a few details about this new subscription plan.</li></ol>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: <ol style="list-style-type: none"><li>1. Requests that the user enter another constraint with care.</li></ol> In the event of an unsuccessful transaction: <ol style="list-style-type: none"><li>1. The user’s money is rolled back into his or her account, which shows the failure of the operation to the user, and a redirect is made to the last page.</li></ol>			

# Policy Making

<b>Use Case Name:</b> Policy Making		<b>ID:</b> 14	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Manager		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Manager – Wants to plan for the effective management of the environment and provide guidelines for decision-making and the business's future			
<b>Brief Description:</b> This use case describes how the manager sets, changes, or deletes the system's policies.			
<b>Trigger:</b> By clicking on the policy-making option, which is only available at managers panel.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Manager <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>The manager accesses his or her panel.</div></div> <div><div>2.</div><div>He or she selects "Add a new policy" from the policy-making menu.</div></div> <div><div>3.</div><div>The manager will enter the policy's desired characteristics.</div></div> <div><div>4.</div><div>He or she validates the attributes and checks the output report.</div></div> <div><div>5.</div><div>The policy's written report will be created.</div></div> <div><div>6.</div><div>This policy will be communicated to all related business units via an urgent notification on their respective panels.</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b>			

# View Reports

<b>Use Case Name:</b> View Reports		<b>ID:</b> 15	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Admin, Manager		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to prepare reports about the most recent events in order to help the manager make the best practical decisions Manager – Wants to view the latest reports to decide which policy to create or edit and provide guidelines for the business's future			
<b>Brief Description:</b> The use case describes how admins and manager can view sales and future trend reports.			
<b>Trigger:</b> By clicking on the view reports option, which is only available at manager and admins panel.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Manager <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> 1. The manager or admin accesses his or her panel. 2. He or she can search and filter all the available reports in a list. 3. He or she selects one of the listed records from the search query records. 4. He or she can print out the PDF version of the report. 5. He or she sees more information about the selected report on the screen in advance.			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: 1. Requests that the user enter another constraint with care.			

# Report Analysis

<b>Use Case Name:</b> Report Analysis		<b>ID:</b> 16	<b>Importance Level:</b> Low
<b>Primary Actor:</b> Manager		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Manager – Wants to decide which policy or circular to create or edit and provide guidelines for the business's future based on the reviewed reports and the analysis of performance reports and audits			
<b>Brief Description:</b> The use case describes how manager can use analysis to create new policies or circular letters.			
<b>Trigger:</b> By clicking on the Report Analysis option, which is only available at managers panel.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Manager <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <ol style="list-style-type: none"><li>1. The manager accesses his or her panel.</li><li>2. It is considered that the manager has read all reports, so he or she clicks on the Report Analysis option to analyze reports for a policy or circular letter.</li><li>3. The manager will enter the policy's desired characteristics.</li><li>4. He or she validates the attributes and checks the output format.</li><li>5. The policy's written report will be created.</li><li>6. He or she can also make a circular letter with the same fields by clicking on the "making circular letter in one click" option.</li><li>7. He or she can print out the PDF version of the reports.</li><li>8. This policy or circular letter will be communicated to all related business units via an urgent notification on their respective panels.</li></ol>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b>			



# Transaction Management

<b>Use Case Name:</b> Transaction Management		<b>ID:</b> 17	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Manager, Expert		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Manager – Wants to decide which policy or circular to create or edit and provide guidelines for the business's future based on the financial reports and the analysis of income and transactions Expert – Wants to analyze financial issues and transactions to produce a report for manager.			
<b>Brief Description:</b> The use case describes how manager can use transactions to create new policies or circulars.			
<b>Trigger:</b> By clicking on the Transaction Management option.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Manager, Expert <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>The manager accesses his or her panel.</div></div> <div><div>2.</div><div>It is considered that the manager has reviewed some transactions individually, so he or she clicks on the Transaction Management option to download expertly prepared analyses of financial events and transactions in the form of numbers, figures, and diagrams to create a policy or circular letter.</div></div> <div><div>3.</div><div>The manager will review all reports.</div></div> <div><div>4.</div><div>The manager will enter the policy's desired characteristics.</div></div> <div><div>5.</div><div>He or she validates the attributes and checks the output format.</div></div> <div><div>6.</div><div>The policy's written report will be created.</div></div> <div><div>7.</div><div>He or she can also make a circular letter with the same fields by clicking on the "making circular letter in one click" option.</div></div> <div><div>8.</div><div>He or she can print out the PDF version of the reports.</div></div> <div><div>9.</div><div>This policy or circular letter will be communicated to all related business units via an urgent notification on their respective panels.</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b>			

# User Management

<b>Use Case Name:</b> User Management		<b>ID:</b> 18	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Manager		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to manage users Manager – Wants to manage users			
<b>Brief Description:</b> This use case describes how manager or admin can manage users			
<b>Trigger:</b> Manager or Admin clicks on the User Management button in his or her panel			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Manager <b>Include:</b> User Update, User Deletion <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> 1. He or she can click on the User Update or User Deletion buttons.			
<b>Sub Flows:</b> 1. By clicking on the User Update button, the manager or admin is able to edit a specific user's profile. 2. By clicking on the User Deletion button, the manager or administrator is able to permanently delete a specific user's profile.			
<b>Alternate/Exceptional Flows:</b>			

# User Update

<b>Use Case Name:</b> User Update		<b>ID:</b> 19	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Manager		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to update users information Manager – Wants to update users information			
<b>Brief Description:</b> This use case describes how manager or admin can update users information			
<b>Trigger:</b> Manager or admin clicks on the User Update button in his or her User Management panel.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Manager <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>The administrator or manager opens his or her personal profile.</div></div> <div><div>2.</div><div>The user management option is highlighted for making changes to the user's information, so it will be selected.</div></div> <div><div>3.</div><div>By clicking on the User Update button, the manager or admin is able to edit a specific user's profile.</div></div> <div><div>4.</div><div>He or she can search and filter all users to find a specific user who wants to update its information.</div></div> <div><div>5.</div><div>He or she selects one of the listed users from the search query records.</div></div> <div><div>6.</div><div>He or she sees more information about the selected user by clicking on it.</div></div> <div><div>7.</div><div>Modifications and updates will be submitted to the user's profile.</div></div> <div><div>8.</div><div>The changes will be saved.</div></div> <div><div>9.</div><div>An email or SMS will be sent to the user, depicting that his or her account has been modified by the admins or the manager.</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: <div><div>1.</div><div>Requests that the user enter another constraint with care.</div></div> If there were no users of such information: <div><div>2.</div><div>Recommend that the admin or manager first create a new user via the signup page.</div></div>			

# User Deletion

<b>Use Case Name:</b> User Deletion		<b>ID:</b> 20	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin, Manager		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to delete users accounts Manager – Wants to delete users accounts			
<b>Brief Description:</b> This use case describes how a manager or admins can permanently delete a user's profile.			
<b>Trigger:</b> Manager or admin clicks on the User Deletion button in his or her User Management panel.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin, Manager <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>The administrator or manager opens his or her personal profile.</div></div> <div><div>2.</div><div>The user management option is highlighted for making changes to the user's information, so it will be selected.</div></div> <div><div>3.</div><div>By clicking on the User Deletion button, the manager or admin is able to permanently delete a specific user's profile.</div></div> <div><div>4.</div><div>He or she can search and filter all users to find a specific user who wants delete it.</div></div> <div><div>5.</div><div>He or she selects one of the listed users from the search query records.</div></div> <div><div>6.</div><div>He or she sees more information about the selected user by clicking on it.</div></div> <div><div>7.</div><div>An email or SMS will be sent to the user just before deleting all information from all data-bases, indicating that his or her account has been deleted permanently.</div></div> <div><div>8.</div><div>Deletion will be processed in the user's profile.</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: <div><div>1.</div><div>Requests that the user enter another constraint with care.</div></div>			

# Report Managment

<b>Use Case Name:</b> Report Managment		<b>ID:</b> 21	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to generate general or top-secret reports for other stakeholder groups			
<b>Brief Description:</b> This use case describes how admins can generate reports			
<b>Trigger:</b> Admin clicks on the Report Management button in his or her panel.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> 1. The administrator opens his or her personal profile. 2. The report management option will be selected. 3. He or she searches for and filters out some characteristics of the desired report. 4. After entering the desired criteria, he or she clicks Done. 5. He or she sees a report that was generated by the previous actions. 6. He or she prints out the PDF version of the reports and sends it to other stakeholders.			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: 1. Requests that the user enter another constraint with care.			

## Access Level

<b>Use Case Name:</b> Access Level		<b>ID:</b> 22	<b>Importance Level:</b> High
<b>Primary Actor:</b> Admin		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Admin – Wants to set or modify the access level for each user			
<b>Brief Description:</b> This use case describes how admins can set or modify the access level for users.			
<b>Trigger:</b> When an admin opens his or her panel, they click on Setting/editing access levels.			
<b>Type:</b> External			
<b>Relationships:</b> <b>Association:</b> Admin <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>The administrator opens his or her personal profile.</div><div>2.</div><div>The "set or edit access level" option will be clicked.</div><div>3.</div><div>He or she can search and filter users list to find a specific user who wants to set or edit its access level.</div><div>4.</div><div>He or she selects one of the listed users from the search query records.</div><div>5.</div><div>He or she sees more information about the selected user by clicking on it.</div><div>6.</div><div>He or she sets a new access level for the user or changes its access to a new one. (Note that a default access level for each type of user was set at the time of registration.)</div><div>7.</div><div>The changes will be saved by the administrator after pushing the Done button.</div><div>8.</div><div>An email or SMS will be sent to the user, indicating that his or her access level has been modified.</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b> If the search result has no outputs: <div><div>1.</div><div>Requests that the user enter another constraint with care.</div></div>			

# Market Analysis

<b>Use Case Name:</b> Market Analysis		<b>ID:</b> 23	<b>Importance Level:</b> Medium
<b>Primary Actor:</b> Expert		<b>Use Case Type:</b> Detail, Essential	
<b>Stakeholders and Interests:</b> Expert – Wants to inform different stakeholder groups about market news, recent events, and analysis			
<b>Brief Description:</b> This use case describes how experts inform stakeholders by providing latest news and analysis			
<b>Trigger:</b> Experts create content and place it in the Analytic dashboard section so that other users can access it by clicking on the button.			
<b>Type:</b> Internal			
<b>Relationships:</b> <b>Association:</b> Expert <b>Include:</b> <b>Extend:</b> <b>Generalization:</b>			
<b>Normal Flow of Events:</b> <div><div>1.</div><div>Experts collect and publish the most recent news, forecasting trends, share market analysis, and correlation charts for a variety of topics and car models in the Analytic dashboard section.</div></div> <div><div>2.</div><div>Other users get access to that section by buying the right subscription.</div></div>			
<b>Sub Flows:</b>			
<b>Alternate/Exceptional Flows:</b>			