

User Use Cases

Use Case ID:	UUC1		
Use Case Name:	User Login to System		
Created By:	Alper Kaan Gayretoğlu	Last Updated By:	Alper Kaan Gayretoğlu
Date Created:	13.11.2022	Date Last Updated:	08.04.2023
Actor:	User		
Description:	The action that every user must take to be able to login to the system.		
Preconditions:	The user is a member of IZTECH.		
Postconditions:	The user has logged in to the system.		
Priority:	High		
Frequency of Use:	All the users of the system IYTE, so approximately 7000, average of 100 per day, probably 6000 at the election day.		
Normal Course of Events:	<ol style="list-style-type: none"> 1. User enters the URL of the website to their search engine of choice. 2. User enters the website. 3. User chooses one of the given options which indicates which user role they are trying to login as. (admin/voter/candidate etc.). 4. System asks the user for their IZTECH account name and password. 5. User enters their IZTECH account name and password. 6. System allows access to the website. 7. User has logged in and now can use the website. 		
Alternative Courses:	5a. User has entered invalid account name and/or password. <ol style="list-style-type: none"> 1. The system notifies the user about the error and gives at most 3 more chances. 2. User has still not been able to enter a valid account name and/or password. 3. System times out the user for 10 minutes. 		
Exceptions:	<ol style="list-style-type: none"> 1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> • Display an error message to the user to let them know about the issue and inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	The user is the owner of the account that they are trying to login.		
Notes and Issues:	None		

Use Case ID:	UUC2		
Use Case Name:	User Logout from System		
Created By:	İsmail Günay	Last Updated By:	Alper Kaan Gayretoğlu
Date Created:	26.11.2022	Date Last Updated:	08.04.2023
Actor:	User		
Description:	The action that every user must take to end the session.		
Preconditions:	The user is logged in to the system.		
Postconditions:	The session has ended.		
Priority:	High		
Frequency of Use:	Every user of the system.		
Normal Course of Events:	<ol style="list-style-type: none"> 1. The user clicks the 'Logout' button. 2. The user is logged out. 3. The login page appears and is ready for the user to login again. 		
Alternative Courses:	None		
Exceptions:	<ol style="list-style-type: none"> 1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> • Display an error message to the student to let them know about the issue and inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Use Case ID:	UUC3		
Use Case Name:	User views his/her profile		
Created By:	Muhammed Efe İncir	Last Updated By:	Muhammed Efe İncir
Date Created:	08.04.2023	Date Last Updated:	08.04.2023
Actor:	User		
Description:	User clicks his/her name which is on the top left in the welcome menu.		
Preconditions:	User must be logged into the system..		
Postconditions:	User sees his/her profile.		
Priority:	Low		
Frequency of Use:	Whenever the user wants.		
Normal Course of Events:	1. User clicks the 'Profile' button 2. User sees the information about himself/herself .		
Alternative Courses:	None		
Exceptions:	1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> Display an error message to the student to let them know about the issue and inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	System can reach to OBS and E-Devlet		
Notes and Issues:	None		

Use Case ID:	UUC4		
Use Case Name:	See Election Results		
Created By:	İsmail Günay	Last Updated By:	İsmail Günay
Date Created:	26.11.2022	Date Last Updated:	08.04.2023
Actor:	User		
Description:	The action that every user can take to see the results of the election.		
Preconditions:	All rounds of the election are done and the results are announced.		
Postconditions:	The user is informed about the election results		
Priority:	High		
Frequency of Use:	All the users of the system İYTE, so approximately 7000, average of 100 per day, probably 6000 at the election day.		
Normal Course of Events:	<ol style="list-style-type: none"> 1. User enters the announcement page. 2. User reads the results 		
Alternative Courses:	None		
Exceptions:	<ol style="list-style-type: none"> 1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> • Display an error message to the user to let them know about the issue and inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Admin Use Cases

Use Case ID:	AUC1		
Use Case Name:	Create Election		
Created By:	Alper Kaan Gayretoğlu	Last Updated By:	Alper Kaan Gayretoğlu
Date Created:	08.04.2023	Date Last Updated:	08.04.2023
Actor:	Admin		
Description:	Admin creates a new election.		
Preconditions:	Admin is logged in.		
Postconditions:	The election has been created.		
Priority:	High		
Frequency of Use:	Once for every election.		
Normal Course of Events:	<ol style="list-style-type: none"> 1. Admin presses the button that will forward them to the election creation page. 2. Admin enters the required parameters for the creation of the election. (Like date, time and election type etc.) 3. Admin presses the button indicating that they have finished creating an election and sends the information to the system. 4. System receives the information, and a new election is created. 		
Alternative Courses:	3a. Admin has entered missing/invalid information. <ol style="list-style-type: none"> 1. System prompts the admin to enter the missing/invalid information again. 2. (Flow continues from the Normal Course of Events 4.) 		
Exceptions:	<ol style="list-style-type: none"> 1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> • Display an error message to inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Use Case ID:	AUC2		
Use Case Name:	Announcement of the election date via email to students		
Created By:	Muhammed Efe İncir	Last Updated By:	Muhammed Efe İncir
Date Created:	08.04.2023	Date Last Updated:	08.04.2023
Actor:	Admin and System		
Description:	System sends email to Users edu mail address		
Preconditions:	System has mail service connection. System has mail addresses of the users		
Postconditions:	Mail sent to user's mail addresses		
Priority:	Low		
Frequency of Use:	Before every election starts		
Normal Course of Events:	<ol style="list-style-type: none"> 1. Admin creates an election. 2. System gets information of users via OBS 3. System sends messages to voters 		
Alternative Courses:	None		
Exceptions:	<ol style="list-style-type: none"> 1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> • Display an error message to the student to let them know about the issue and inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	System can reach to OBS		
Notes and Issues:	None		

Use Case ID:	AUC3		
Use Case Name:	Select the President of the Student Council Alphabetically		
Created By:	Kürşat Çağrı Yakıcı	Last Updated By:	
Date Created:	08.04.2023	Date Last Updated:	
Actor:	Admin		
Description:	After the faculty representatives are chosen, president of the student council is concluded. This is done by checking the alphabetical order of the faculties and assigning the faculty representative in next order as the president. The faculty, whose representative is chosen as student council president, is iterated in every election that takes places every two years.		
Preconditions:	Faculty representative election must be completed. Admin must be logged in to the system.		
Postconditions:	President of the student council is assigned. President will now be visible in the election results page. Election process is completed.		
Priority:	High		
Frequency of Use:	Once per each election		
Normal Course of Events:	<ol style="list-style-type: none"> 1. Admin views the current faculty representatives. 2. Chooses the next student council president according to the alphabetical order of the faculty names. 3. Confirms the selection. 		
Alternative Courses:	None		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	Admin has internet connection and a device which he/she can access the system		
Notes and Issues:	None		

Use Case ID:	AUC4		
Use Case Name:	Re-election Process		
Created By:	Yaşar Mehmet Bağdatlı	Last Updated By:	Yaşar Mehmet Bağdatlı
Date Created:	26.11.2022	Date Last Updated:	09.04.2023
Actor:	Administrator		
Description:	In case the quorum is not achieved, re-election is held.		
Preconditions:	<p>Admin logs in</p> <p>The representative of the department could not be elected because the majority of the votes could not be obtained.</p>		
Postconditions:	Re-election held for student representative election system		
Priority:	High		
Frequency of Use:	Minimum 0 times at per department election, maximum 2 times at per department election.		
Normal Course of Events:	<p>1. Election system ends. (1st or 2nd election is meant. If a quorum is obtained in the 1st election, the 2nd election is not considered) and each department the data of the votes are taken from the database to count.</p> <p>2. Since a sufficient majority is not achieved, a decision is made to hold a re-election.</p> <p>3. Voting system re-initializes.</p>		
Alternative Courses:	2a. As a result of repeating the election more than 2 times, the representative is elected as the one who receives the most votes compared to the others. Otherwise, the candidate with the majority wins the election.		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Use Case ID:	AUC5		
Use Case Name:	End Election		
Created By:	Alper Kaan Gayretoğlu	Last Updated By:	Yaşar Mehmet Bağdatlı
Date Created:	13.11.2022	Date Last Updated:	09.04.2023
Actor:	Administrator		
Description:	Voting process has ended. By looking at the votes, the result of the vote is announced.		
Preconditions:	The time allotted for students to vote has expired.		
Postconditions:	Votes are counted by the system and the administrator has been informed.		
Priority:	High		
Frequency of Use:	At most 9 times, 3 per election.		
Normal Course of Events:	<ol style="list-style-type: none"> 1. The initialized election process is finished by the administrator. 2. System automatically counts the votes. 3. System gets the results. 4. The system announces the election result to users. 		
Alternative Courses:	None		
Exceptions:	<ol style="list-style-type: none"> 1. Admin has not ended the voting system. <ul style="list-style-type: none"> • The voting system is repeated on another specified date. 2. System is unable to count the votes. <ul style="list-style-type: none"> • Inform the admin about the issue. 3. The system has not gotten election results. <ul style="list-style-type: none"> • Inform the admin about the issue. 4. The system has not announced the election result to users. <ul style="list-style-type: none"> • Inform the admin about the issue. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Voter Use Cases

Use Case ID:	VUC1		
Use Case Name:	Create A Candidacy Application		
Created By:	Muhammed Efe İncir	Last Updated By:	Muhammed Efe İncir
Date Created:	08.04.2023	Date Last Updated:	08.04.2023
Actor:	Voter		
Description:	The student who wants to be a candidate can perform the necessary steps via the system such as check the required documents and fill the candidacy text.		
Preconditions:	The user is a member of IZTECH. Student logged in to the system		
Postconditions:	Candidacy Application Created		
Priority:	High		
Frequency of Use:	Every time up to 1 week before the election		
Normal Course of Events:	1. User clicks the 'BE CANDIDATE' button 2. User enters the website. 3. User fills candidacy text 4. User press the check the documents button (criminal report, gpa etc.) 5. System checks documents via OBS and E-Devlet API 5. User press the submit button. 6. System display a text about candidacy application approval.		
Alternative Courses:	None		
Exceptions:	1.Candidacy text cannot be null <ul style="list-style-type: none"> Display an error message to the user to let them know about the issue 		
Includes:	None		
Special Requirements:	None		
Assumptions:	System can reach to OBS and E-Devlet API		
Notes and Issues:	None		

Use Case ID:	VUC2		
Use Case Name:	Voter Casts a Vote		
Created By:	Tuğçe Türkmenler	Last Updated By:	
Date Created:	07.04.2023	Date Last Updated:	
Actor:	Voter		
Description:	When it's time for the election, voter cast vote.		
Preconditions:	<ul style="list-style-type: none"> • The designated time to vote must have arrived. • The voter must have logged in to the system. • The applications of the candidates must be approved. 		
Postconditions:	Voter has voted.		
Priority:	High		
Frequency of Use:	Every student who is not a candidate votes once for each department election.		
Normal Course of Events:	<ol style="list-style-type: none"> 1. Voter enters the voting interface. 2. Voter clicks on the “see details” button below the desired candidate. 3. Voter clicks the “vote” button. 4. A pop-up appears informing the voter that this selection cannot be undone. 5. Student clicks the submit button. 		
Alternative Courses:	<ol style="list-style-type: none"> 4a. Instead of confirming pop-up, student changes the candidate that he/she want to vote. <ol style="list-style-type: none"> 1. Student clicks the cancel button. 2. Continue from the second step of normal flow. 		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Department Representative Use Cases

Use Case ID:	DRUC1		
Use Case Name:	Department Representatives Apply for Faculty Representative Candidacy		
Created By:	İsmail Günay	Last Updated By:	İsmail Günay
Date Created:	08.04.2023	Date Last Updated:	08.04.2023
Actor:	Department Representative		
Description:	The action that voluntary department representatives can take to apply for the faculty representative candidacy position		
Preconditions:	The user is a department representative The user is logged in		
Postconditions:	The user applied for the faculty representative candidacy		
Priority:	High		
Frequency of Use:	Some of the department representatives of the system İYTE, so approximately 15		
Normal Course of Events:	<ol style="list-style-type: none"> 1. User enters the system 2. User opens up the application page for the faculty representative candidacy. 3. User applies for the candidacy by clicking the relevant button 		
Alternative Courses:	None		
Exceptions:	<ol style="list-style-type: none"> 1. Website is unable to respond in at most 10 seconds. <ul style="list-style-type: none"> • Display an error message to the user to let them know about the issue and inform the admin. 		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		

Use Case ID:	DRUC2
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Use Case Name:	Department representative casts his/her vote for faculty representative candidate		
Created By:	Kürşat Çağrı Yakıcı	Last Updated By:	
Date Created:	08.04.2023	Date Last Updated:	
Actor:	Department Representative		
Description:	Department representative casts their vote for one of the available faculty representatives.		
Preconditions:	<p>Department representative election must be completed.</p> <p>Faculty representative elections must already have started.</p> <p>Department representative must be logged in to the system.</p>		
Postconditions:	<p>The total vote count of the faculty representative is increased by one.</p> <p>The total vote count in the faculty representative election is increased by one.</p> <p>The department representative will see the faculty representative whom they have chosen as marked as “voted” when they list the candidates again.</p>		
Priority:	High		
Frequency of Use:	Once per each election		
Normal Course of Events:	<ol style="list-style-type: none"> 1. Department representative views the candidates. 2. Department representative chooses the candidate whom they want to vote. 3. Department representative casts their vote for their candidate of choice. 4. Department representative confirms the vote in the pop-up window. 5. The candidate's votes are increased by one. 		
Alternative Courses:	<ol style="list-style-type: none"> 1. Department representative cancels the confirmation page at step 4. <ol style="list-style-type: none"> 1.1. Department representative returns to step 2 of normal course. 2. Department representative cancels their vote. <ol style="list-style-type: none"> 2.1. Department representative chooses to cancel their vote. 2.2. The vote count of the whole system and the previous selected candidate are dropped by one. 		

	2.3. Department representative returns to step 1 of normal course.
Exceptions:	1. The vote is not processed properly due to server load. 1.1 Department representative sees an error message indicating that the voting procedure was unsuccessful.
Includes:	None
Special Requirements:	None
Assumptions:	Department representative has internet connection and a device which he/she can access the system
Notes and Issues:	None

Candidate Use Cases

Use Case ID:	CUC1		
Use Case Name:	Withdraw from Candidacy		
Created By:	Tuğçe Türkmenler	Last Updated By:	
Date Created:	07.04.2023	Date Last Updated:	
Actor:	Candidate		
Description:	Candidates who have applied to be a candidate can withdraw from candidacy.		
Preconditions:	The student has applied to become a candidate.		
Postconditions:	The candidate has withdrawn from the candidacy.		
Priority:	Medium		
Frequency of Use:	Only when a student decides to withdraw from the candidacy.		
Normal Course of Events:	<ol style="list-style-type: none">1. Candidate enters the URL of the website to their search engine of choice.2. Candidate enters the website.3. Student logs in to the system (login use case adı)4. Candidate chooses the option that indicates they want to withdraw from the candidacy.5. A pop-up appears informing the student that this selection cannot be undone.6. Candidate clicks the approval button.		
Alternative Courses:	None		
Exceptions:	None		
Includes:	None		
Special Requirements:	None		
Assumptions:	None		
Notes and Issues:	None		