

Functional Requirements:

- The system must allow user to add a member.
- The system must allow user to edit a member.
- The system must allow user to delete a member.
- The system must allow user to add an activity subject.
- The system must allow user to edit an activity subject.
- The system must allow user to delete an activity subject.
- The system must allow user to add an event.
- The system must allow user to edit an event.
- The system must allow user to delete an event.
- The system must allow user to add a sponsor
- The system must allow user to edit a sponsor
- The system must allow user to delete a sponsor
- The system must allow user to add a lecturer
- The system must allow user to edit a lecturer
- The system must allow user to delete a lecturer
- The system must allow user to add participant (member/non-member) to event
- The system must allow user to edit participant (member/non-member) from event
- The system must allow user to delete participant (member/non-member) from event
- The system must allow user to search for finalized events
- The system must allow user to search for and non-finalized events
- The system must allow user to search for sponsor in specific category
- The system must allow user to search for lecturers in specific category
- The system must allow user to search for members' preference those interested in specific category/ lecturer
- The system must allow user to find the members those not paid their membership

Non-functional Requirements:

1. The system must use files as data storage
2. The system must be implemented in Java
3. The system needs to answer within 2 seconds 95% of the time
4. The system must be usability tested by end users

Use Cases:

ID:	#1
Title:	Add a member
Description:	The user will add a member
Primary Actor:	User
Preconditions:	None
Postconditions:	A is member added
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to add a new member. 2. User enter new member information (name, address, phone, email, date for payment of membership, date of membership, preferences). 3. User validates. 4. System store new members information in data file storage.
Extensions:	4., System not able to reach a data file storage shows an error message,

ID:	#2
Title:	Edit a member
Description:	The user will edit a member
Primary Actor:	User
Preconditions:	At least one member exists.
Postconditions:	A member is edited.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to edit a new member. 2. User find member to modify. 3. Modify one or more of (name, address, phone, email, date for payment of membership, date of membership, preferences). 4. User validates. 5. System modify member's information in data file storage.
Extensions:	5., System not able to reach a data file storage shows an error message.

ID:	#3
Title:	Delete a member
Description:	The user will delete a member
Primary Actor:	User
Preconditions:	At least one member exists.
Postconditions:	A member is deleted
Main Success Scenario:	<ol style="list-style-type: none"> 1. user chooses to delete member. 2. User find a member to delete 3. User delete the member 4. User validates 5. System delete member from data file storage
Extensions:	5., System not able to reach a data file storage shows an error message.

ID:	#4
Title:	Add an activity subject.
Description:	The user will add an activity subject.
Primary Actor:	User
Preconditions:	None
Postconditions:	An activity subject is added.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to add a new activity subject. 2. User enter new activity subject (Subject name) 3. User validates 4. System store new activity subject information in data file storage
Extensions:	4., 8., 12. System not able to reach a data file storage shows an error message,

ID:	#5
Title:	Edit an activity subject.
Description:	The user will edit an activity subject.
Primary Actor:	User
Preconditions:	None
Postconditions:	An activity subject is edited.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to edit an activity subject. 2. User modify an activity subject 3. User validates 4. System store modified activity subject information in data file storage
Extensions:	4., 8., 12. System not able to reach a data file storage shows an error message,

ID:	#6
Title:	Delete an activity subject.
Description:	The user will delete an activity subject.
Primary Actor:	User
Preconditions:	None
Postconditions:	An activity subject is deleted.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to delete an activity subject. 2. User delete an activity subject 3. User validates 4. System delete activity subject information from data file storage
Extensions:	4., 8., 12. System not able to reach a data file storage shows an error message,

ID:	#7
Title:	Add an event
Description:	The user will add an event
Primary Actor:	User
Preconditions:	At least, one lecturer exists, and one event activity subject exist.
Postconditions:	An event is added.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to add a new event. 2. User select activity subject for event 3. User enter new event information (type, title, date, time, duration, lecturer/lecturers, price, discounted price) 4. User validates 5. System store new event information in data file storage
Extensions:	<ol style="list-style-type: none"> 4., System not able to reach a data file storage shows an error message, 2., If activity subject not found, go to #4 step2 2., if lecturer not found, go to #13 step2

ID:	#8
Title:	Edit an event
Description:	The user will edit an event
Primary Actor:	User
Preconditions:	At least one event exists.
Postconditions:	An event is edited.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to edit an event. 2. User find event to modify 3. User change activity subject for event 4. User modify one or more of (type, title, date, time, duration, lecturer/lecturers, price, discounted price). 5. User validates. 6. System modify event's information in data file storage.
Extensions:	<ol style="list-style-type: none"> 5., System not able to reach a data file storage shows an error message,

ID:	#9
Title:	Delete an event
Description:	The user will delete an event
Primary Actor:	User
Preconditions:	At least, one event exists.
Postconditions:	An event is deleted.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to delete an event. 2. User find event to delete 3. User delete the event 4. User validates 5. System delete the event from data file storage
Extensions:	5., System not able to reach a data file storage shows an error message.

ID:	#10
Title:	Add a sponsor
Description:	The user will add a sponsor
Primary Actor:	User
Preconditions:	None
Postconditions:	A sponsor is added.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to add a new sponsor. 2. User enter new sponsor information (name, address, phone, email, activity subject) 3. User validates 4. System store new sponsor information in data file storage.
Extensions:	4., System not able to reach a data file storage shows an error message,

ID:	#11
Title:	Edit a sponsor
Description:	The user will edit a sponsor
Primary Actor:	User
Preconditions:	At least, one sponsor exists.
Postconditions:	A sponsor is edited.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to edit a new sponsor. 2. User find sponsor to modify. 3. Modify one or more of (name, address, phone, email, activity subject) 4. User validates 5. System modify sponsor's information in data file storage
Extensions:	5., System not able to reach a data file storage shows an error message,

ID:	#12
Title:	Delete a sponsor
Description:	The user will delete a sponsor
Primary Actor:	User
Preconditions:	None
Postconditions:	At least, one sponsor exists.
Main Success Scenario:	<ol style="list-style-type: none"> 1. user chooses to delete a sponsor. 2. User find a sponsor to delete. 3. User delete the sponsor. 4. User validates. 5. System delete the sponsor from data file storage.
Extensions:	5., System not able to reach a data file storage shows an error message,

ID:	#13
Title:	Add a lecturer
Description:	The user will add a lecturer
Primary Actor:	User
Preconditions:	None
Postconditions:	A lecturer is added.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to add a new lecturer. 2. If the lecturer is a sponsor go to 6 3. User enter new lecturer information (name, address, phone, email, activity subject.) 4. User validates. 5. System store new lecturer information in data file storage. 6. User select a sponsor to add as a lecturer. 7. User validates. 8. System store new lecturer information in data file storage.
Extensions:	5., 8., System not able to reach a data file storage shows an error message, 3., If activity subject not found, go to #4 step2 6., if no sponsor available, the system shows a message stating no there is sponsors available

ID:	#14
Title:	Edit a lecturer
Description:	The user will edit a lecturer
Primary Actor:	User
Preconditions:	At least, one lecturer exists.
Postconditions:	A lecturer is edited.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to edit a lecturer. 2. User find a lecturer to modify 3. User modify one or more of (name, address, phone, email, activity subject) 4. User validates. 5. System modify lecturer's information in data file storage
Extensions:	5., System not able to reach a data file storage shows an error message.

ID:	#15
Title:	Delete a lecturer
Description:	The user will delete a lecturer
Primary Actor:	User
Preconditions:	At least, one lecturer exists.
Postconditions:	A lecturer is deleted.
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to delete a lecturer. 2. User find a lecturer to delete 3. User delete lecturer 4. User validates. 5. System delete lecturer's information in data file storage
Extensions:	5., System not able to reach a data file storage shows an error message.

ID:	#16
Title:	Add participant to an event
Description:	The user will add participant to an event
Primary Actor:	User
Preconditions:	None
Postconditions:	Participant is added to an event
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to add a new participant to event 2. User find event to add participant to. 3. If participant is member go to 8 4. User enter participant information (name, address, phone, email, preferences). 5. User validates 6. System make participant type false (is it member) 7. System store participant's information in data file storage 8. User select participant from members. 9. User add that member (name) 10. User validates. 11. System make participant type true (is it member) 12. System store participant's information in data file storage
Extensions:	7., 12. System not able to reach a data file storage shows an error message,

ID:	#17
Title:	Edit participant from an event
Description:	The user will edit participant from an event
Primary Actor:	User
Preconditions:	At least, one participant exists.
Postconditions:	Participant is edited from an event
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to edit a participant from an event. 2. User find event to edit participant from. 3. User find a participant to edit. 4. If participant is member go to #2 step2 5. User modify participant information (name, address, phone, email, preferences). 6. User validates. 7. System modify participant's information in data file storage.
Extensions:	7., System not able to reach a data file storage shows an error message,

ID:	#18
Title:	Delete participant from an event
Description:	The user will delete participant from an event
Primary Actor:	User
Preconditions:	At least, one participant exists.
Postconditions:	Participant is deleted from an event
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to delete a participant from an event. 2. User find event to delete participant from. 3. User find a participant to delete. 4. User delete a participant 5. User validates. 6. System delete participant's information from data file storage.
Extensions:	6., System not able to reach a data file storage shows an error message,

ID:	#19
Title:	search for finalized events
Description:	The user will search for finalized events
Primary Actor:	User
Preconditions:	None
Postconditions:	finalized events is shown
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to find finalized events. 2. User search for finalized events 3. list of finalized events is shown
Extensions:	3., if no finalized events available, no events to show

ID:	#20
Title:	search for non-finalized events
Description:	The user will search for non-finalized events
Primary Actor:	User
Preconditions:	None
Postconditions:	non-finalized events are shown
Main Success Scenario:	<ol style="list-style-type: none"> 1. User chooses to find non-finalized events. 2. User search for non-finalized events 3. list of non-finalized events is shown
Extensions:	3., if no events available, no events to show

ID:	#21
Title:	search for sponsor
Description:	The user will search for sponsor in specific category
Primary Actor:	User
Preconditions:	None
Postconditions:	sponsors in specific category is shown
Main Success Scenario:	<ol style="list-style-type: none"> 1. user chooses to find sponsors in specific category 2. user select the desired category 3. user find sponsors in this category 4. list of sponsors is shown
Extensions:	4., if no sponsor available, no sponsor to show

ID:	#22
Title:	search for lecturer
Description:	The user will search for lecturers in specific category
Primary Actor:	User
Preconditions:	None
Postconditions:	lecturers in specific category is shown
Main Success Scenario:	<ol style="list-style-type: none"> 1. user chooses to find lecturers in specific category 2. user select the desired category 3. user find lecturers in this category 4. list of lecturers is shown
Extensions:	4., if no lecturers available, no lecturers to show

ID:	#23
Title:	search for members' preference
Description:	The user will search for members' preference in specific category
Primary Actor:	User
Preconditions:	None
Postconditions:	members' preference in specific category is shown
Main Success Scenario:	<ol style="list-style-type: none"> 1. user chooses to find members' preference in specific category 2. user select the desired category 3. user find members' preference in this category 4. list of members is shown
Extensions:	4., if no members available, no members' preference to show

ID:	#24
Title:	find the members those not paid their membership
Description:	The user will search for members' preference in specific category
Primary Actor:	User
Preconditions:	None
Postconditions:	members those not paid their membership is shown
Main Success Scenario:	<ol style="list-style-type: none"> 1. user chooses to find the members those not paid their membership 2. user select the desired category 3. list of members is shown
Extensions:	4., if all members paid, no members to show

ID:	#25
Title:	Use files as data storage.
Description:	The system must use files as data storage.
Primary Actor:	System
Preconditions:	None
Postconditions:	Data is stored in data file storage.
Main Success Scenario:	<ol style="list-style-type: none"> 1. The system stores the data in a data file storage.
Extensions:	1. System not able to reach a data file storage shows an error message,

ID:	#26
Title:	System developed in Java
Description:	The system must be developed using Java
Primary Actor:	System
Preconditions:	None
Postconditions:	System is implemented in Java
Main Success Scenario:	<ol style="list-style-type: none"> 1. Using java to implement the system
Extensions:	none

ID:	#27
Title:	Search response time within 2 seconds 95% of the time
Description:	The system needs to answer within 2 seconds 95% of the time
Primary Actor:	System
Preconditions:	None
Postconditions:	Response time no longer than 2 seconds 95% of the time
Main Success Scenario:	1. Using local storage data file on user's machine
Extensions:	1., Bad performance of user's machine

ID:	#28
Title:	The system usability by end users
Description:	The system must be usability tested by end users
Primary Actor:	System
Preconditions:	None
Postconditions:	System usability is tested by end user
Main Success Scenario:	1. User to test the system before deployment
Extensions:	None

