ConferIT

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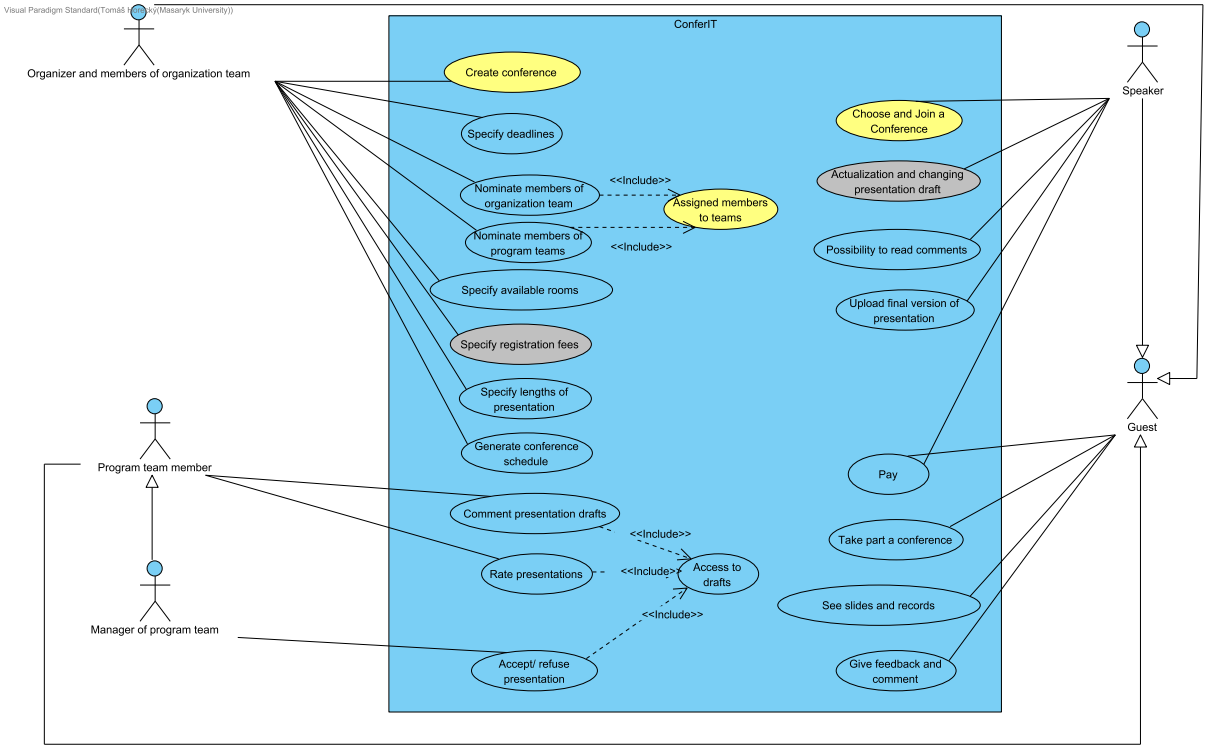
Use Case Diagram

Use Case Diagram



Summary

Name	Description
Organizer and members of organization team	
Program team member	
Manager of program team	
Speaker	
Guest	
Nominate members of program teams	

Use Case ID	UC22
Brief Description	Organizer nominates members of program teams (each thematic section of the conference has its own program team)
Primary Actors	Organizer
Secondary Actors	
Preconditions	Organizer is signed in and the conference was created

	Main Flow of Events	
	Alternative Flows	
	Post-conditions	
Assigned members to teams		
	Use Case ID	UC21
	Brief Description	There are two opportunity how to add a member of all teams. If the member is registered the organizer use his/ her email to find him/ her. If the future member is not registered the organizer has to fill an email in and then the invitation will be send. Registered member can a possibility to access or refuse immediately. The system gives non-registered ones a possibility to register and then accept or refuse an invitation.
	Primary Actors	Organizer
	Secondary Actors	Members of organizational team, members of program teams
	Preconditions	Organizer is signed in
	Main Flow of Events	1. Organizer searches for the future member in the system 2. If the future member has account in the system, continue main flow, otherwise start alternative flow 2.1 3. If the future member accepts invitation, he/she becomes member of particular team, if he/she declines, organizer is notified about this
	Alternative Flows	2.1 If the future member does not have an account, he or she is sent invitation link via e-mail 2.2 After he or she creates account, return to main flow, point 3
	Post-conditions	
Access to drafts		

Use Case ID	UC20
Brief Description	Members of program teams are able to browse drafts submitted to their section.
Primary Actors	Member of program team
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Pay

Use Case ID	UC19
Brief Description	Payment is provided through the service of a bank
Primary Actors	Guest
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Take part a conference

Use Case ID	UC18
Brief Description	Guests can take part of a whole conference or just a part of it.
Primary Actors	Guest
Secondary Actors	

	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	

See slides and records

Use Case ID	UC17
Brief Description	Video record and slides of each presentation have been included to the system after a week.
Primary Actors	Guest
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Give feedback and comment

Use Case ID	UC15
Brief Description	During and after a conference all participants can give feedback by using grades 1 (the less interesting) to 5 (the most interesting) and they can write comments too. Rating and comments are visible for anyone.
Primary Actors	Guest
Secondary Actors	
Preconditions	

	Main Flow of Events	
	Alternative Flows	
	Post-conditions	

Upload final version of presentation		
	Use Case ID	UC14
	Brief Description	If the manager of program team accepts presentation, the authors have to upload a final version to system by deadlines that was specified by organizer.
	Primary Actors	Speaker
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	

Possibility to read comments		
	Use Case ID	UC13
	Brief Description	All authors can read comments from members of program team if they allow it.
	Primary Actors	Speaker
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	

	Post-conditions	
Rate presentations		
	Use Case ID	UC12
	Brief Description	Each member of program team can rate a presentation draft according to its interestingness. It is done by using grades from 1 (the less interesting) to 5 (the most interesting).
	Primary Actors	Member of program team
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	
Comment presentation drafts		
	Use Case ID	UC11
	Brief Description	Each member of program team can comment presentation drafts. They can choose if their comments will be private (visible just for other members of program/ organization team) or public (visible even for authors).
	Primary Actors	Member of program team
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	

	Post-conditions	

Accept/ refuse presentation	

Use Case ID	UC10
Brief Description	The manager of the program team decides if a presentation is accepted or not.
Primary Actors	Manager of program team
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Actualization and changing presentation draft	

Use Case ID	UC09
Brief Description	Each author can make changes in drafts - only by deadline. About each change other authors are informed by mail.
Primary Actors	Speaker
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Choose and Join a Conference	

Use Case ID	UC08

	Brief Description	Speaker chooses from a list of conferences and then choose a section. Fill up the list of authors (their name, working position, biography and email). Gives presentation a name, write an abstract and add key words. After adding draft or presentation all authors are informed by mail about adding the draft.
	Primary Actors	Speaker
	Secondary Actors	
	Preconditions	Speaker has account in the system and is signed in
	Main Flow of Events	1. Speaker chooses conference and section he/she wishes to speak at 2. Speaker fills list of authors 3. Speaker enters info about presentation (name, abstract, keywords) 4. If the speaker adds presentation draft, all authors are notified via e-mail
	Alternative Flows	
	Post-conditions	Presentation draft is created and submitted to chosen conference and section
Generate conference schedule		
	Use Case ID	UC07
	Brief Description	After deadline of sending the final version of presentation the organizer can let to generate a conference schedule
	Primary Actors	Organizer
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	
Specify lengths of presentation		

Use Case ID	UC06
Brief Description	Organizer specifies kinds of presentation according to lengths these ones.
Primary Actors	Organizer
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Specify registration fees

Use Case ID	UC05
Brief Description	Organizer specifies registration fees according to types of presentation, date of registration and specify a list of clubs whose members have a discount. He or she also specifies a discount for the previous participants.
Primary Actors	Organizer
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Specify available rooms

Use Case ID	UC04

Brief Description	Organizer specifies available rooms which presentation can take place in and specifies its capacity.
Primary Actors	Organizer
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Nominate members of organization team

Use Case ID	UC03
Brief Description	Organizer nominates members of organization team .
Primary Actors	Organizer
Secondary Actors	
Preconditions	Signing in and the conference was created
Main Flow of Events	
Alternative Flows	
Post-conditions	

Specify deadlines

Use Case ID	UC02
Brief Description	Organizer specifies deadlines of sending presentation drafts, specifies deadlines of registration, specifies deadlines of sending final accepted presentation
Primary Actors	Organizer

	Secondary Actors
	Preconditions Signing in and a conference
	Main Flow of Events
	Alternative Flows
	Post-conditions

Create conference

Use Case ID	UC01
Brief Description	After creating a conference organizer specifies thematic sections and their names including a name of the whole conference as an event. He or she describes the conference and each thematic section. The organizer specifies dates of conference and a place of the event.
Primary Actors	Organizer and other members
Secondary Actors	
Preconditions	Signing in
Main Flow of Events	1. UseCase starts if an organizer creates a conference event 2. Organizer assigns a name to conference 3. Organizer specifies thematic sections 4. Organizer assigns names to thematic sections 5. Organizer describes the conference 6. Organizer describes thematic sections 7. Organizer specifies the date and place of the conference
Alternative Flows	If the organizer does not fill all requirements in the current step the system does not allow them to continue in the main flow
Post-conditions	A conference was created

Description

Use Cases:

Organizer

1) Create conference
2)Specify deadlines
3)Nominate members of project and organization teams
4)Specify available rooms
5)Specify registration fees
6)Specify lengths of presentations
7)Generate conference schedule

Program team members

8)Comment presentation drafts
9)Rate presentations

Manager of program team

10)Accept/ refuse presentation

Authors/ speakers

11)Choosing and joining a conference
12)Actualization and changing drafts
13)Possibility to read comments
14)Upload final version

Guests and participants

15)Pay
16)Take part a conference
17)Possibility to see slides and records
18)Give feedback and comments

Non-functional requirements:

1)UI created by HTML, CSS, jQuery
2)Back-end created using PHP, framework Laravel
3)Database system - MySQL
4)Be able to handle more users immediately before deadline
5)Back up every day

Details

Organizer and members of organization team
Program team member
Manager of program team
Speaker
Guest
Nominate members of program teams
Assigned members to teams

Access to drafts
Pay
Take part a conference
See slides and records
Give feedback and comment
Upload final version of presentation
Possibility to read comments
Rate presentations
Comment presentation drafts
Accept/ refuse presentation
Actualization and changing presentation draft
Choose and Join a Conference
Generate conference schedule
Specify lengths of presentation
Specify registration fees
Specify available rooms
Nominate members of organization team
Specify deadlines
Create conference
ConferIT

Children

Name	Description
Create conference	**Use Case ID**: UC01 **Brief Description**: After creating a conference organizer specifies thematic sections and their names including a name of the whole conference as an event. He or she describes the conference and each thematic section. The organizer specifies dates of conference and a place of the event. **Primary Actors**: Organizer and other members

Secondary Actors	
Preconditions	Signing in
Main Flow of Events	1. UseCase starts if an organizer creates a conference event 2. Organizer assigns a name to conference 3. Organizer specifies thematic sections 4. Organizer assigns names to thematic sections 5. Organizer describes the conference 6. Organizer describes thematic sections 7. Organizer specifies the date and place of the conference
Alternative Flows	If the organizer does not fill all requirements in the current step the system does not allow them to continue in the main flow
Post-conditions	A conference was created

Specify deadlines

Use Case ID	UC02
Brief Description	Organizer specifies deadlines of sending presentation drafts, specifies deadlines of registration, specifies deadlines of sending final accepted presentation
Primary Actors	Organizer
Secondary Actors	
Preconditions	Signing in and a conference
Main Flow of Events	
Alternative Flows	
Post-conditions	

Nominate members of organization team

Use Case ID	UC03

Brief Description	Organizer nominates members of organization team .
Primary Actors	Organizer
Secondary Actors	
Preconditions	Signing in and the conference was created
Main Flow of Events	
Alternative Flows	
Post-conditions	

Specify available rooms

Use Case ID	UC04
Brief Description	Organizer specifies available rooms which presentation can take place in and specifies its capacity.
Primary Actors	Organizer
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Specify registration fees

Use Case ID	UC05
Brief Description	Organizer specifies registration fees according to types of presentation, date of registration and specify a list of clubs whose members have a discount. He or she also specifies a discount for the previous participants.

Primary Actors	Organizer
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Specify lengths of presentation

Use Case ID	UC06
Brief Description	Organizer specifies kinds of presentation according to lengths these ones.
Primary Actors	Organizer
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Generate conference schedule

Use Case ID	UC07
Brief Description	After deadline of sending the final version of presentation the organizer can let to generate a conference schedule
Primary Actors	Organizer
Secondary Actors	
Preconditions	

	Main Flow of Events	
	Alternative Flows	
	Post-conditions	
Choose and Join a Conference		
	Use Case ID	UC08
	Brief Description	Speaker chooses from a list of conferences and then choose a section. Fill up the list of authors (their name, working position, biography and email). Gives presentation a name, write an abstract and add key words. After adding draft or presentation all authors are informed by mail about adding the draft.
	Primary Actors	Speaker
	Secondary Actors	
	Preconditions	Speaker has account in the system and is signed in
	Main Flow of Events	1. Speaker chooses conference and section he/she wishes to speak at 2. Speaker fills list of authors 3. Speaker enters info about presentation (name, abstract, keywords) 4. If the speaker adds presentation draft, all authors are notified via e-mail
	Alternative Flows	
	Post-conditions	Presentation draft is created and submitted to chosen conference and section
Actualization and changing presentation draft		
	Use Case ID	UC09
	Brief Description	Each author can make changes in drafts - only by deadline. About each change other authors are informed by mail.
	Primary Actors	Speaker
	Secondary Actors	

	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	
Accept/ refuse presentation	
	Use Case ID	UC10
	Brief Description	The manager of the program team decides if a presentation is accepted or not.
	Primary Actors	Manager of program team
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	
Comment presentation drafts	
	Use Case ID	UC11
	Brief Description	Each member of program team can comment presentation drafts. They can choose if their comments will be private (visible just for other members of program/ organization team) or public (visible even for authors).
	Primary Actors	Member of program team
	Secondary Actors	
	Preconditions	

	Main Flow of Events	
	Alternative Flows	
	Post-conditions	

Rate presentations		
	Use Case ID	UC12
	Brief Description	Each member of program team can rate a presentation draft according to its interestingness. It is done by using grades from 1 (the less interesting) to 5 (the most interesting).
	Primary Actors	Member of program team
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	

Possibility to read comments		
	Use Case ID	UC13
	Brief Description	All authors can read comments from members of program team if they allow it.
	Primary Actors	Speaker
	Secondary Actors	
	Preconditions	
	Main Flow of Events	
	Alternative Flows	

	Post-conditions	

Upload final version of presentation

Use Case ID	UC14
Brief Description	If the manager of program team accepts presentation, the authors have to upload a final version to system by deadlines that was specified by organizer.
Primary Actors	Speaker
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Give feedback and comment

Use Case ID	UC15
Brief Description	During and after a conference all participants can give feedback by using grades 1 (the less interesting) to 5 (the most interesting) and they can write comments too. Rating and comments are visible for anyone.
Primary Actors	Guest
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

See slides and records	

Use Case ID	UC17
Brief Description	Video record and slides of each presentation have been included to the system after a week.
Primary Actors	Guest
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Take part a conference	

Use Case ID	UC18
Brief Description	Guests can take part of a whole conference or just a part of it.
Primary Actors	Guest
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Pay	

Use Case ID	UC19
Brief Description	Payment is provided through the service of a bank

Primary Actors	Guest
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

Access to drafts

Use Case ID	UC20
Brief Description	Members of program teams are able to browse drafts submitted to their section.
Primary Actors	Member of program team
Secondary Actors	
Preconditions	
Main Flow of Events	
Alternative Flows	
Post-conditions	

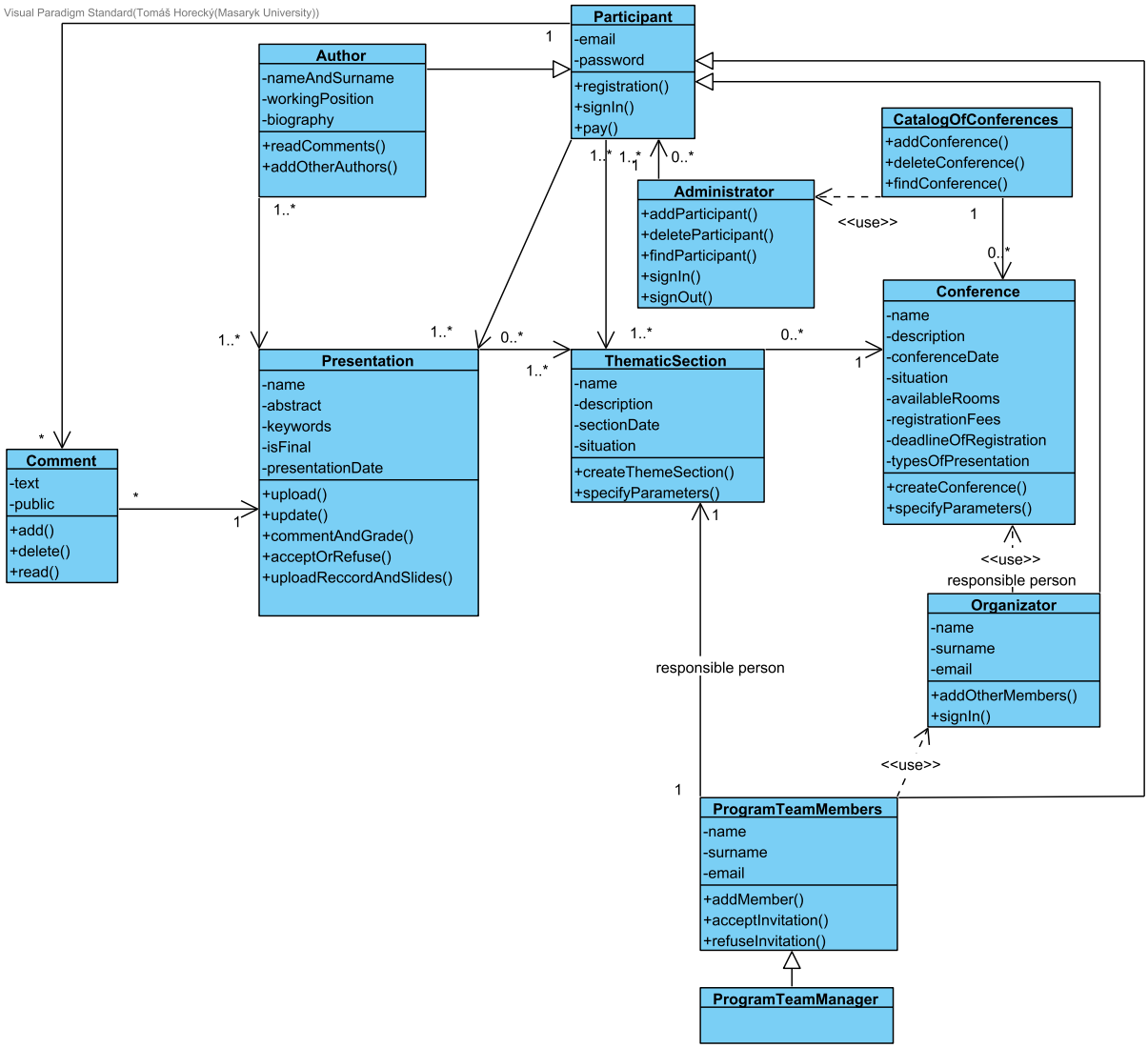
Assigned members to teams

Use Case ID	UC21
Brief Description	There are two opportunity how to add a member of all teams. If the member is registered the organizer use his/ her email to find him/ her. If the future member is not registered the organizer has to fill an email in and then the invitation will be send. Registered member can a possibility to access or refuse immediately. The system gives non-registered ones a possibility

		to register and then accept or refuse an invitation.
	Primary Actors	Organizer
	Secondary Actors	Members of organizational team, members of program teams
	Preconditions	Organizer is signed in
	Main Flow of Events	1. Organizer searches for the future member in the system 2. If the future member has account in the system, continue main flow, otherwise start alternative flow 2.1 3. If the future member accepts invitation, he/she becomes member of particular team, if he/she declines, organizer is notified about this
	Alternative Flows	2.1 If the future member does not have an account, he or she is sent invitation link via e-mail 2.2 After he or she creates account, return to main flow, point 3
	Post-conditions	
Nominate members of program teams		
	Use Case ID	UC22
	Brief Description	Organizer nominates members of program teams (each thematic section of the conference has its own program team)
	Primary Actors	Organizer
	Secondary Actors	
	Preconditions	Organizer is signed in and the conference was created
	Main Flow of Events	
	Alternative Flows	
	Post-conditions	

Class Diagram

Class Diagram



Summary

Name	Description
Participant	
Author	
CatalogOfConferences	
Administrator	
Conference	
Presentation	
ThematicSection	
Comment	
Organizator	
ProgramTeamMembers	

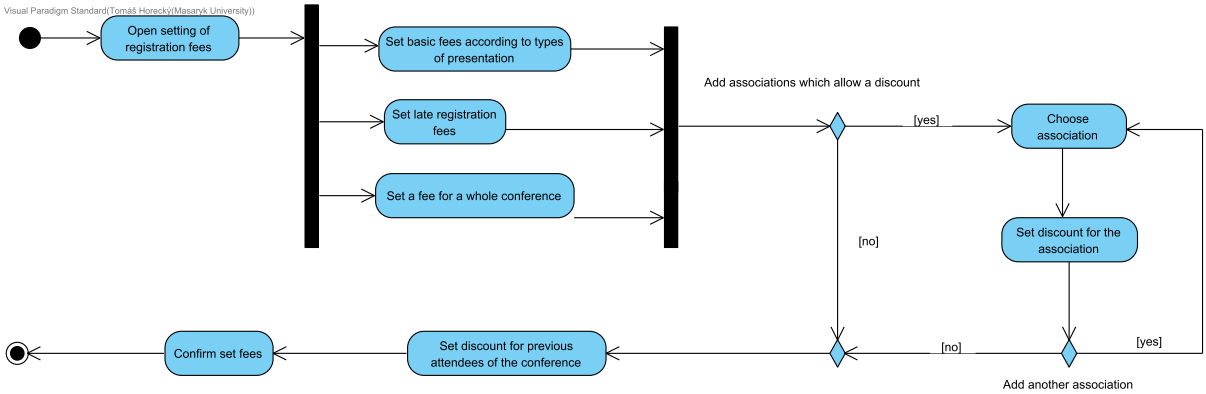
ProgramTeamManager	

Details

Participant
Author
CatalogOfConferences
Administrator
Conference
Presentation
ThematicSection
Comment
Organizator
ProgramTeamMembers
ProgramTeamManager

Activity Diagram

Specify registration fee



Summary

Name	Description
Open setting of registration fees	
Set late registration fees	
Add associations which allow a discount	
Choose association	
Set discount for the association	
Add another association	
Set discount for previous attendees of the conference	
Confirm set fees	
Set a fee for a whole conference	
Set basic fees according to types of presentation	

Details

N/A

Open setting of registration fees

N/A

Set late registration fees

N/A

Add associations which allow a discount

Choose association

Set discount for the association

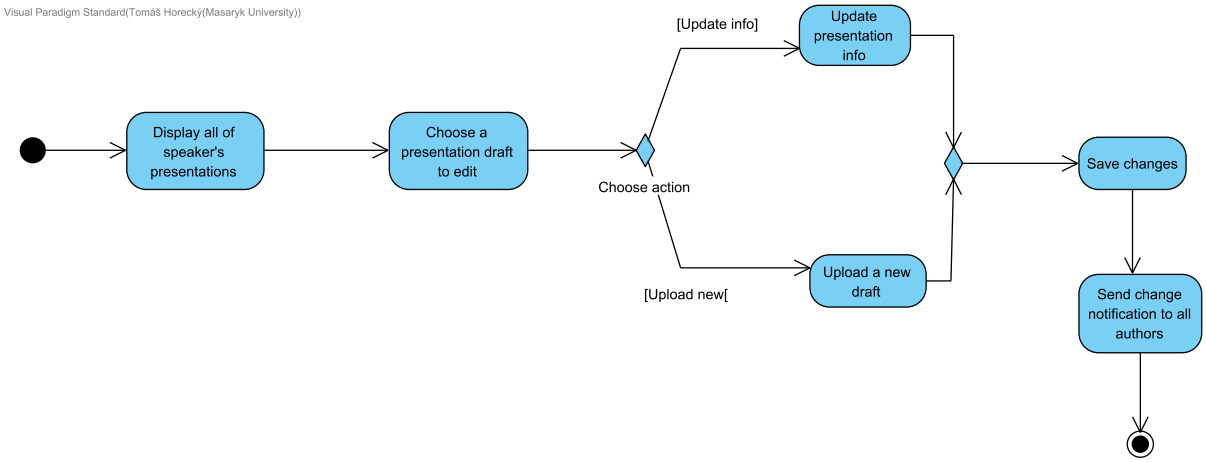
Add another association
N/A
Set discount for previous attendees of the conference
Confirm set fees
N/A
Set a fee for a whole conference
N/A

Set basic fees according to types of presentation

N/A

Activity Diagram

Upload and update a presentation draft



Summary

Name	Description
Display all of speaker's presentations	
Choose a presentation draft to edit	
Choose action	
Update presentation info	
Upload a new draft	
Save changes	
Send change notification to all authors	

Details

N/A

Display all of speaker's presentations

Choose a presentation draft to edit

Choose action

Update presentation info

Upload a new draft

N/A

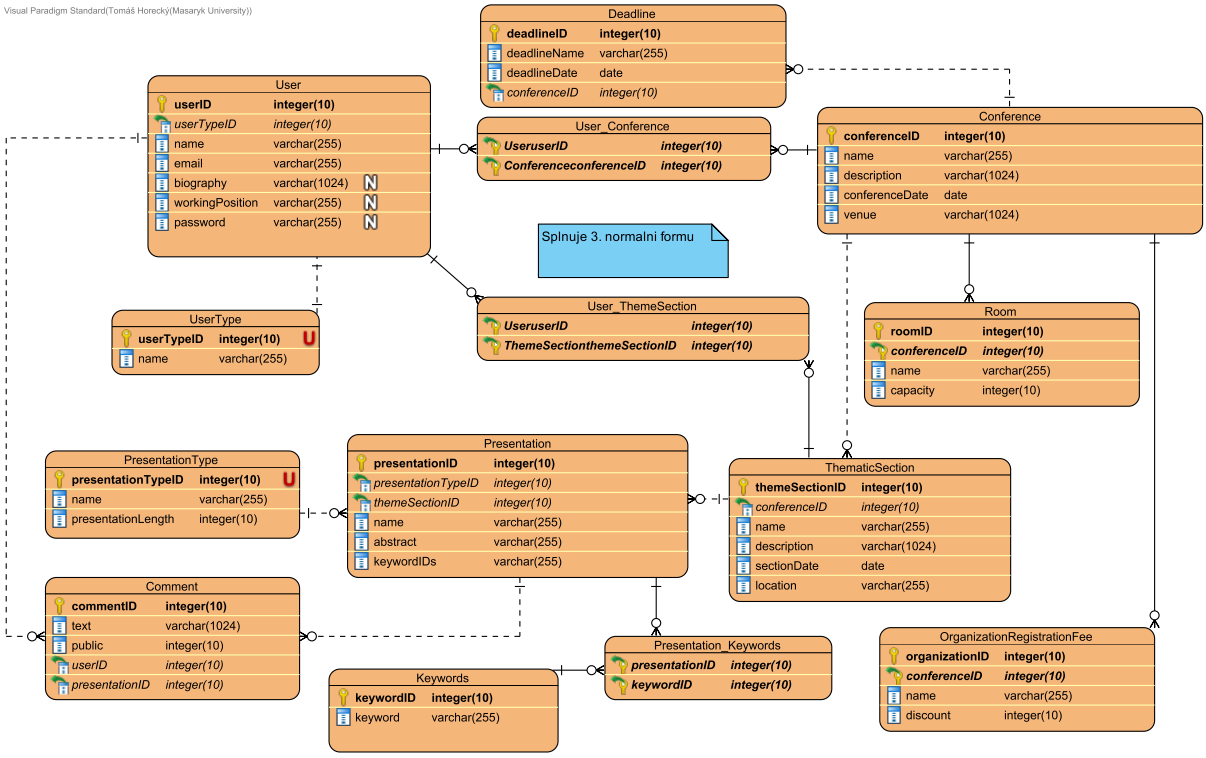
Save changes

Send change notification to all authors

N/A

Entity Relationship Diagram

ERD1



Summary

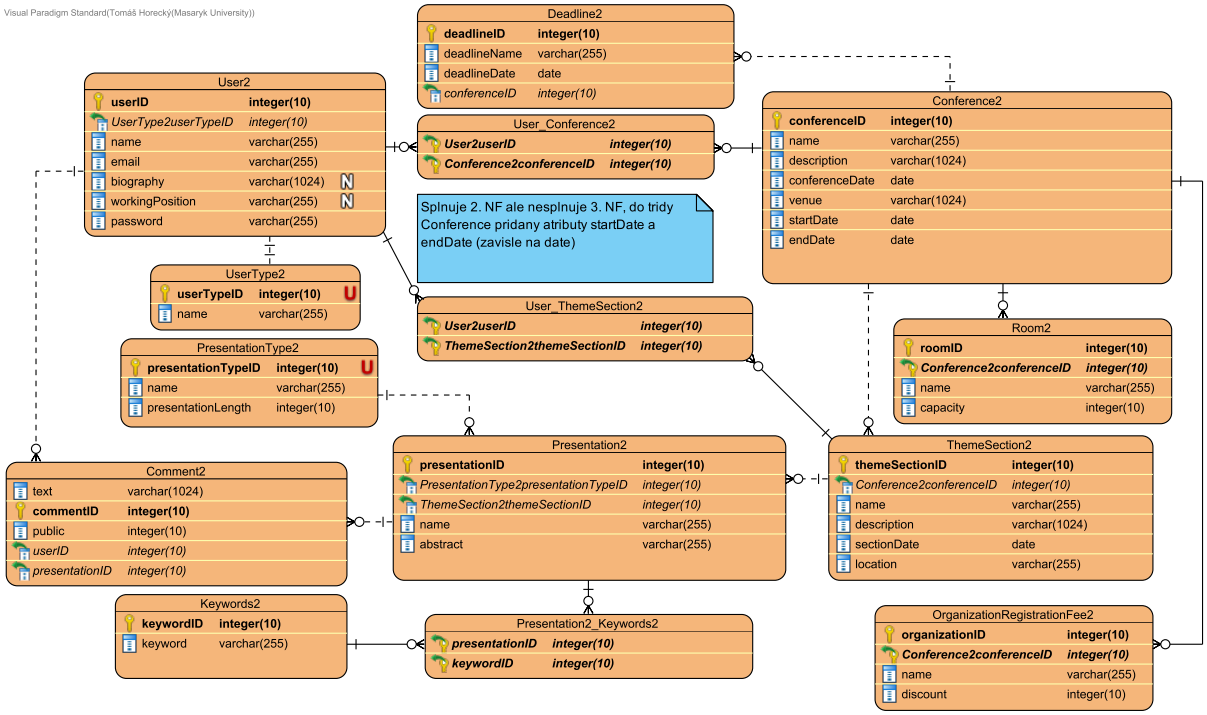
Name	Description
Deadline	
User	
Conference	
User_Conference	
User_ThemeSection	
Room	
UserType	
Presentation	
PresentationType	
ThematicSection	
Comment	
OrganizationRegistrationFee	
Presentation_Keywords	
Keywords	
N/A	Splnuje 3. normalni formu

Details

Deadline
User
Conference
User_Conference
User_ThemeSection
Room
UserType
Presentation
PresentationType
ThematicSection
Comment
OrganizationRegistrationFee
Presentation_Keywords
Keywords
N/A

Entity Relationship Diagram

ERD2



Summary

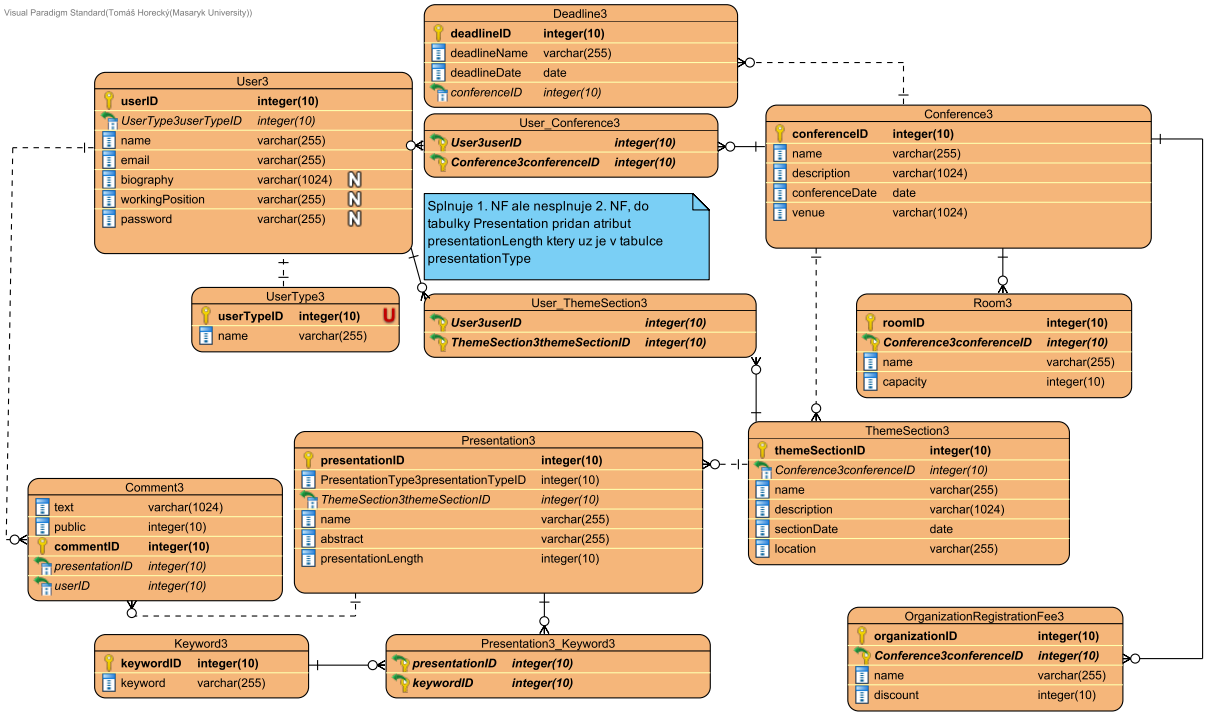
Name	Description
Deadline2	
User2	
Conference2	
User_Conference2	
UserType2	
User_ThemeSection2	
Room2	
PresentationType2	
Presentation2	
ThemeSection2	
Comment2	
Keywords2	
OrganizationRegistrationFee2	
Presentation2_Keywords2	
N/A	Splnuje 2. NF ale nesplnuje 3. NF, do tridy Conference pridany atributy startDate a endDate (zavisle na date)

Details

Deadline2
User2
Conference2
User_Conference2
UserType2
User_ThemeSection2
Room2
PresentationType2
Presentation2
ThemeSection2
Comment2
Keywords2
OrganizationRegistrationFee2
Presentation2_Keywords2
N/A

Entity Relationship Diagram

ERD3



Summary

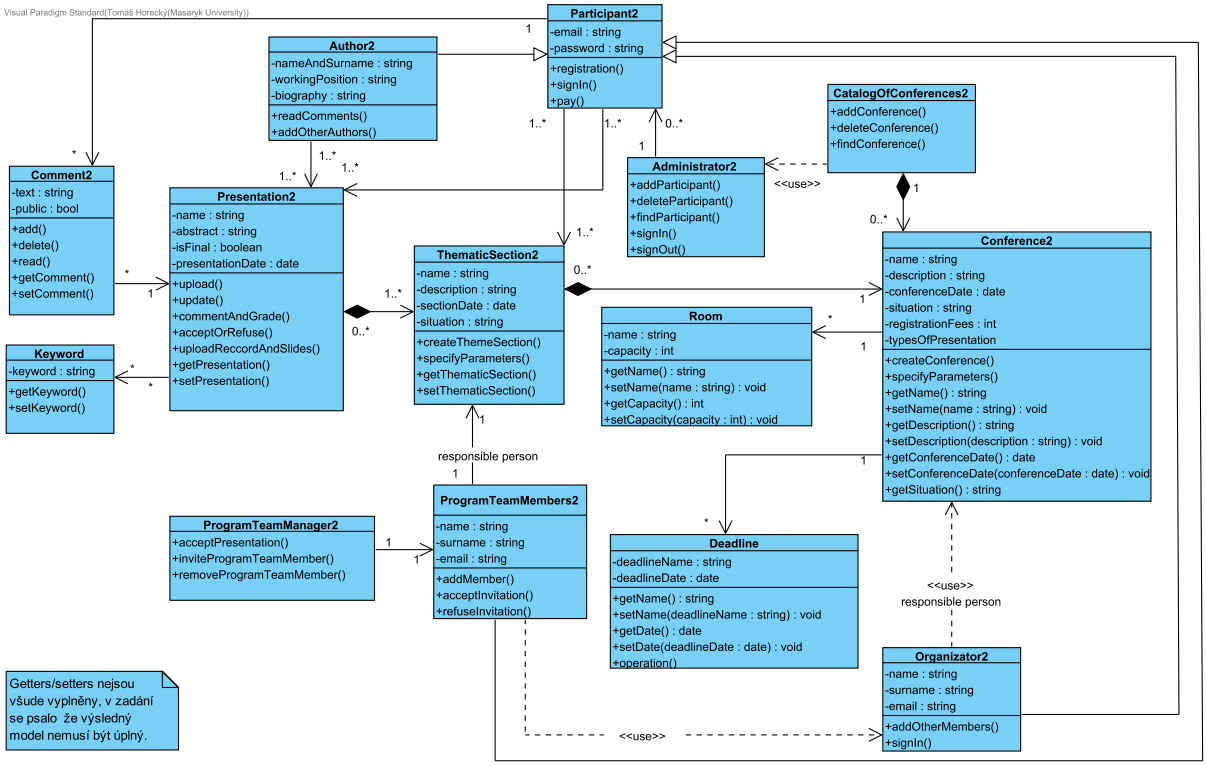
Name	Description
Deadline3	
User3	
Conference3	
User_Conference3	
UserType3	
User_ThemeSection3	
Room3	
ThemeSection3	
Presentation3	
Comment3	
OrganizationRegistrationFee3	
Keyword3	
Presentation3_Keyword3	
N/A	Splnuje 1. NF ale nesplnuje 2. NF, do tabulky Presentation pridan atribut presentationLength ktery uz je v tabulce presentationType

Details

Deadline3
User3
Conference3
User_Conference3
UserType3
User_ThemeSection3
Room3
ThemeSection3
Presentation3
Comment3
OrganizationRegistrationFee3
Keyword3
Presentation3_Keyword3
N/A

Class Diagram

Design class diagram



Summary

Name	Description
Participant2	
Author2	
CatalogOfConferences2	
Administrator2	
Comment2	
Presentation2	
Conference2	
ThematicSection2	
Room	
Keyword	
ProgramTeamMembers2	
ProgramTeamManager2	
Deadline	
Organizator2	
N/A	Getters/setters nejsou všude vypln#ny, v zadání se psalo že výsledný model nemusí být úplný.

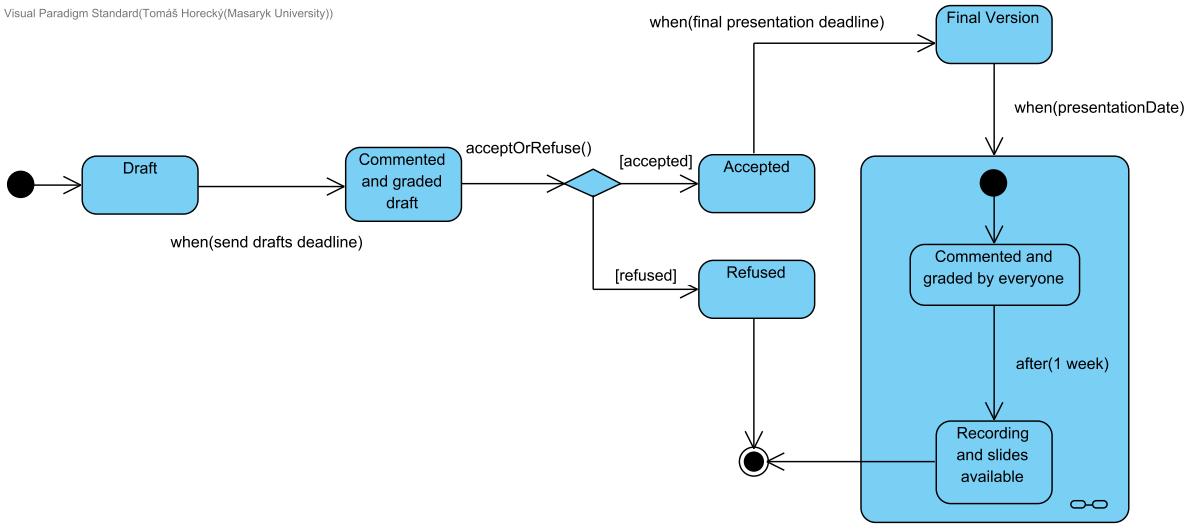
Details

Participant2
Author2
CatalogOfConferences2
Administrator2
Comment2
Presentation2
Conference2
ThematicSection2
Room
Keyword
ProgramTeamMembers2
ProgramTeamManager2

Deadline
Organizator2
N/A

State Machine Diagram

Presentation - State Machine Diagram



Summary

Name	Description
Commented and graded by everyone	
Recording and slides available	
Draft	
Commented and graded draft	
Accepted	
Final Version	
Refused	

Details

N/A
Commented and graded by everyone
Recording and slides available
N/A
N/A
Draft
Commented and graded draft
N/A
Accepted

Final Version
N/A
Refused