

DbSets

Member

-ID: int
-name: string
-username: string
-email: string
-password: secured string

Topic

-ID: int
-name: string

Paper

-ID: int
-title: string
-keywords: list<string>
-topics: list<int>
-speakerID: int
-file:string
-format: string

AcceptedPaper

-paperID: int
-scheduleID: int

Role

-ID: int
-name: string

EventCommittee

-memberID: int
-roleID: int
-eventID
-webpage: string
-payed: boolean
-affiliation: string

Bidding

-ID: int
-memberID: int
-paperID: int
-isAssigned: boolean

Review

-biddingID: int
-grade: int
-recommandation: string

Event

-ID: int
-name: string
-abstractDL: datetime
-DLS: datetimes

Section

-ID: int
-name: string

Schedule

-ID: int
-sectionID: int
-time: datetime
-room: string
-eventCommitteeID: int

User

-member: Member
+changeRole(roleID: int)

BasicController

#user: User
+checkRights(event: Event): Role

AuthController

+login(username: string, password: secured string): User
+register(member: Member): User

EventController

-event: Event
+pay(eventID: int, amount: double): boolean
+submitPaper(memberID: int, paper: Paper): int
+isDue(): boolean

HomeController

+createEvent()

ReviewerController

+addToAllocated(paperID: int)
+addReview(paperID: int, recommandation: String, grade: int)

CommitteeController

+assignReviewer(memberID: int, paperID: int)
+schedule(schedule: int, paperID: int)
+acceptPaper(paperID: int)
+assignSessionChair(memberID: int, eventID: int, sectionID: int)

PaperController

-paper: Paper

ConferenceDBContext (extends DbContext)

+members: DbSet<Member>
+schedules: DbSet<Schedule>
+papers: DbSet<Papers>
+eventCommittees: DbSet<EventCommittee>
+roles: DbSet<Role>
+events: DbSet<Event>
+topics: DbSet<Topic>
+sections: DbSet<Section>
+acceptedPapers: DbSet<AcceptedPaper>
+allocatedReviewers: DbSet<Bidding>
+reviews: DbSet<Review>

SignupView

-controller: AuthController
+submitData()
+validateAccount(): boolean
+displayError(): string

HomeView

-controller: HomeController
+navigateToConference()
+createConference()

ConferenceCreationView

-controller: HomeController
+submitData(newConference: Conference)

EventView

-controller: HomeController
+getEventDetails(ID: int): dictionary<string, string>
+openPaper(paperID: int)
+openProposalDetails(proposalID: int)
+openRegisterEvent()

ProposalDetailsView

-controller: ReviewerController
+getDetails(ID: int): dictionary(string, string)

ProposalBiddingView

-controller: ReviewerController
+getAbstractDetails(ID: int): dictionary(string, string)
+submitDecision(paperID: int, decision: string)

PaperView

-controller: PaperController
+getPaperDetails(ID: int): dicitonary(string, string)

AssignmentsReviewsView

-controller: CommitteeController
+resolveConflict()
+getReviewDetails(ID: int)

LoginView

-controller: AuthController
+verifyData(username: string, password: secure string): user: User

ScheduleEventView

-controller: CommitteeController
+setSchedule(): boolean

RegisterEventView

-controller: EventController
+pay(amount: int): boolean
+register(user: User)