We have created a diagram denoting our API endpoints and also (roughly) our schemas. The diagram is available at: https://miro.com/app/board/uXjVNNQJ4V0=/. You will have to sign up to access it, but it is worth it, since it is very convenient. We also provide screenshots below, but recommend following the link.

Each arrow that contains text is an API endpoint. Each arrow that enters the "Review subdomain" from the USER box is an endpoint that we will expose. Each arrow that enters the other subdomains is an endpoint that we require from other micro services.

Inside of our subdomain we also specify what main internal classes we will have and how they relate to each other. All of the API requests will be interacting with these classes. Also, a lot of the objects returned by the API endpoints will be of those classes.

As mentioned, each arrow will be a separate endpoint – a POST/GET/etc request with custom URL. At the moment we have identified 18 endpoints that our micro service will expose to the users.

Now we present screenshots from the diagram, although we recommend using the Miro link:

(check page #2 as well)

Review subdomain

User
(not really stored)

Conference
(not really stored)

Bid
* userID : UserID
* paperID : PaperID
* bid (want, neutral, don't want) : Enum

Track
* ID : TrackID
* biddingDeadline : Date
* currentPhase : Enum (submitting, bidding, assigning, reviewing, final)

Paper
* ID : PaperID
* listOfReviews : List[Review]
* state : Enum (reject/accepted/unkn own)
* phase : Enum (before-review, in-review, in-discussion, reviewed)

Review
* paperID : PaperID
* userID : UserID
* cofidenceScore : Enum(Expert(1), Knowledgable(2), Basic(3))
* commentForAuthor : String
* recommendationScore : Int
* commentForReviewers: List[Confidential Comments]

Confidential Comment
* userID: userID
* comment: String

getAnalytics(UserID,TrackID)

setBiddingDeadline(UserID, TrackID, deadline)

DeleteAssignment(PaperID, UserID)

BidForPaper(ID, bid)

EditAssignment(UserID, UserID)

getAuthors(UserID)

setConfidentialComment(paperID, userI

getCurrentState(UserID, PaperID)

ReadReview(UserID, PaperID, ReviewerID)

SubmitReview(UserID, PaperID, Review)

ReadPaper(UserID, PaperID)

AssignReviewersManually(PaperID, UserID)

GetTheTitleAndAbstract()

AssignReviewersAutomatically(PaperID, UserID)

GetCurrentAssignment(PaperID, UserID)

ApprovePaper(UserID, PaperID)

FinalizeAssignments(UserID, PaperID)

GetStatus(UserID, PaperID)

GetPaperById

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