# Projects Portal User Components Boundary Objects Diagram

**AddComment Component**

+ title:String
+ body:String
- authorId:ObjectId
- projectId:ObjectId

+ /{.projectId}/comments/add

Creates

**addResponse Component**

+ title:String
+ body:String
- commentId:ObjectId
- authorId:ObjectId
- projectId:ObjectId

+ /{.projectId}/comments/{.id}/respond

0..*

**Comment**

+ author:ObjectId = Users._id
+ title:String
+ body:String
+ response:[Comment]
- dateCreated:Date = now()
- dateModified:Date

+ addComment(author,title,body)
+ addResponse(author,Comment._id,title,body)
+ viewComment(Comment._id)
+ updateComment(author,Comment._id,title,body)
+ deleteComment(author,Comment._id)
+ updateResponse(author,Comment._id,Response._id,
     title,body)
+ deleteResponse(author,Comment._id,Response._id)

**updateComment Component**

+ title:String
+ body:String
- commentId:ObjectId
- authorId:ObjectId
- projectId:ObjectId

+ /{.projectId}/comments/{.id}/update
+ /{.projectId}/comments/{.id}/delete
+ /{.projectId}/comments/{.id}/response/{.id}/update
+ /{.projectId}/comments/{.id}/response/{.id}/delete

Modifies