

Assignment 03(Project)

Bear Feed

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10th September 2022

The vision of this project is to create Baylor University news feed (Bear Feed), news feed portal for all Baylor University students and faculties.

For making the domain model, we have created class responsibility collaborator(CRC) model for identifying domain concepts, attributes of the concepts and the associations between the concepts. The initial draft of the CRC model and the candidate concept(draft) is given in section 1 and 2 accordingly. In section 3, we have eliminated inefficient cases. Finally in section 4 we have our domain model with all the concepts, attributes, multiplicities and associations between the concepts.

1 CLASS RESPONSIBILITY COLLABORATOR (CRC) Model:

User	
Knows Email Knows First Name Knows Last Name Knows Username Have a Birth Date Have an Image URL Has social media link Has favorites list Can create an article Create a new tag Can view another user's article Can comment on article Can delete comment from article Can like on an article Can view notification Can read notification Delete notification Can search for tags Can create an event	Article Event Tag Notification Comment Like

Article	
Has content Can contain media Must have a tag Has number of likes Number of comments Has creation date Has comments Article creation can be notifying to user Can come from outside source Can drafted by user	User Media Tag Comment Notification Article crawler Twitter crawler

Event	
Has title Has description Has starting date Has ending date Has time frame Has location Can have media Event creation can be notifying to user	User Notification Media

Tag	
Has name Has creation date Tags can be auto suggested to user	Article User

Notification	
Has preview Can be marked as read Can be deleted Has a date	Article User Event

Comment	
Has text Can be deleted Has a creation date knows the article	Article User

Media	
Has file path	Article Event

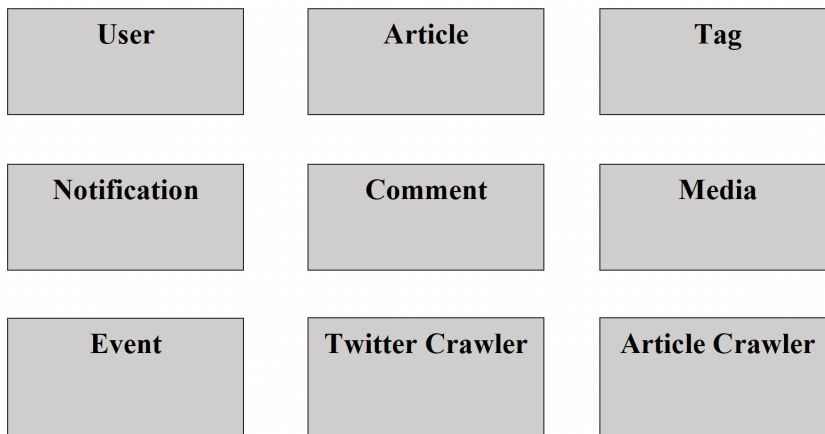
Article crawler	
Can search for article with a specific # tag Can filter article Can save article	Article

Twitter crawler	
Can trigger article Articles can be validated Can save article	Article

2 Candidate Domain concepts(Draft)

User
Article
List of comments
External Share
Interest selection
Media
Likes
Tag
Article Crawler
Twitter Crawler
Login process
Search field
Warning message
Delete button
Size limitation
Date validation
Word Validation
User's tag
Favorites
Credentials
Auto-suggestion
Notification
Event

3 Domain Model concepts



4 Domain Model

