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User Story / Conversation / Acceptance Criteria / Tasks

Comments

User story (Comments) :

I, as a Kent student, want the application to allow other users to comment under my post so that conversations can be created under my post and allow other users to express their ideas.

Conversations (Comments):

Should the application allow the author of a post to turn off the comments feature on a particular post which would result in no one being able to comment on the post?

- Yes, I think the option to turn off comments should be incorporated as some of the posts I make I don't always want feedback from the public or my friends/followers.

Should the application allow the author of a post to turn off the comments count for a particular post?

- Yes, I would like the ability to turn off the comments count as social media can sometimes feel like a popularity contest and this ruins the fun of using the application and interacting with people.

Acceptance Criteria (Comments):

"Given that I am logged into the application and have clicked on the comments icon / count text on a specific post. I will then be navigated to the comment display for that particular post ..."

1. "... if the application has sufficient connection to the internet to retrieve the data (comments) for this post. Then I will be relocated to the comments display page for this post with the comments preloaded onto the comments display page".
2. "... if the application does not have a sufficient internet connection and cannot retrieve the data (comments) for this post. Then an error message will be prompted."
3. "... if I type a comment and then click the upload button on the comments display page being that the application has an established internet connection to allow communication with the database (firebase). Then my comment will be added to this specific post's comments collection and the comments count for this specific post will be increased."
4. "... if I type a comment and then click the upload button on the comments display page being that the application cannot establish an internet connection to allow communication with the database (firebase) - then an error message will be prompted stating that this comment wasn't successfully added to this post (database)."
5. "... if I try to upload an empty comment then the application will disregard processing this request to upload a comment."

User Story / Conversation / Acceptance Criteria / Tasks

Tasks (Comments):

1. Develop a UI for the comments button using CSS & react native components to consist of a "comment button " and "comments count text" and error handling in case this information cannot be retrieved.
2. Develop UI for displaying all comments related to a specific post, the UI includes a: text box for inputting comments, an upload button and a comments display (all the previous comments displayed on screen).
3. Develop the backend functionality of uploading a comment and error handling incase this fails.

Task Estimation (Camera)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. S
2. M
3. M

Likes

User story (Likes):

I, as a Kent student, want the application to allow other users to like my post to allow other students to express that they approve of my post.

Conversations (Likes):

Should there be any restrictions on who can like a post made by you or, should this be publically accessible?

- I think the application should allow the user who made the post the option of restricting who can view a particular post because I may have a specific post which I don't want the public to be able to see and be able to like. On the other hand, there may be other posts which are the other way around.

Should the application allow the author of a post to turn off the likes count for a particular post?

- Yes, I would like the ability to turn off the likes count as social media can sometimes feel like a popularity contest and this ruins the fun of using the application and interacting with people.

Acceptance Criteria (Likes):

“Given that I am logged into the application and there is a post displayed on the screen...”

1. “... if I click the like button and the application cannot establish an internet connection the application will prompt an error message stating that the attempt to like this post failed.”
2. “... if I click the like button on this post and the application has a sufficient internet connection and the post is unliked by me. The heart icon for this particular post will then turn red and the likes count correlated to this post in the database will be increased by 1 in the path; “/postData/**PostID**”.

Additionally, in firebase under the path “/postData/**PostID**/likes” my userID will be added to this collection.

Furthermore, the ID of this post will be added to my collection called postsUserHasLiked in firebase through the path; “posts/**MyUserID**/postsUserHasLiked/”.

3. “... if I click the like button on this post and the application has a sufficient internet connection and the post is already liked by me. The red heart icon for this particular post will then turn plain and the likes count correlated to this post in the database will be decreased by 1 in the path; “/postData/**PostID**”.

Additionally, in firebase under the path “/postData/**PostID**/likes” my userID will be removed from this collection.

Furthermore, the ID of this post will be removed from my collection called postsUserHasLiked in firebase through the path; “posts/**MyUserID**/postsUserHasLiked/”.

User Story / Conversation / Acceptance Criteria / Tasks

4. "... if I click the likes count text for this particular post and there is an established internet connection the application will retrieve the users that have liked this post and display this information on a new screen the user will be redirected to."
5. "... if I click the likes count text for this particular post and there isn't an established internet connection an error message will be prompted."

Tasks (Likes):

1. Develop a UI for the likes button using CSS & react native components to consist of a "likes button " and "likes count text".
2. Develop UI for displaying the users who have liked this post which displays for each user that liked the post their; profile icon, username and a follow button once the likesCount text has been clicked and error handling if this information cannot be retrieved.
3. Develop a backend functionality of liking and unliking a comment and error handling in case this fails.

Task Estimation (Camera)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. S
2. L
3. M

User Story / Conversation / Acceptance Criteria / Tasks

Feed Screen

User story (Feed Screen):

I, as a Kent student, want the application to allow me to see the posts of the users I follow under my personal feed. So, that I can keep up to date with my friends lives and social activities online through viewing their posts made to their profile on my feed.

Conversations (Feed Screen):

How far back in terms of days would you like your feed to display posts made by a user you follow?

- I would like the feed to display posts made by the user within the past 2 days.

Would you like your feed to display the posts of a user you just immediately followed and if so, how many posts from this user's recent posts would you like to see. Or, how far back in terms of days would you like the feed screen to retrieve posts of the user you just followed on your feed?

- I would like the application to show the most 2 recent posts made by the user I have just recently followed on my feed.

Acceptance Criteria (Feed Screen):

“Given that I am logged into the application and have navigated to the feed screen ...”

1. “... if an internet connection has been established then the feed will then attempt to retrieve pictures by the users I am following within an X timeframe. If this is successful and the app retrieves picture posts this will be displayed on the pictures section of the feed screen.”
2. “... if an internet connection has been established then the feed will then attempt to retrieve videos by the users I am following within an X timeframe. If this is successful and the app retrieves video posts this will be displayed on the videos section of the feed screen.”
3. “... if an internet connection cannot be established, the feed screen will prompt a message on both screens being pictures and videos stating that there are no posts available.”
4. “... if an internet connection has been established and there aren't any picture posts posted by the accounts I follow within an X period of time an appropriate message will be prompted on the pictures feed screen .”
5. “... if an internet connection has been established and there aren't any video posts posted by the accounts I follow within an X period of time an appropriate message will be prompted on the videos feed screen .”
6. “.... if an internet connection is established and I navigate to the picture feed screen and then this screen will attempt to retrieve picture posts posted within the last X amount of time by the user I follow. If successful the picture stories will be displayed to the picture feed. If I then click on a picture story it will then be displayed and if there is an error when trying the procedure an error message will be displayed.”

7. “ ... if I click my profile icon on the top right of the screen I should then be navigated to the chat screen.”
8. “ ... if I click on the chat icon on the top left of the screen I should then be prompted to my private profile.”
9. “ ... if I click the switch selector the corresponding feed screen should be displayed etc; pictures for pictures and vice versa.”

Tasks (Feed Screen):

Main Feed Screen:

1. Develop the UI for the top part of the feed screen which includes the; profile icon, switch selector (pictures / videos) and a message button.



2. Develop backend functionality of the switch selector, once the switch selector state changes the corresponding screen must be displayed.
3. Develop backend functionality for the navigational features once the profile icon and chat button are clicked.

Task Estimation (Main Feed Screen)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. S
2. M
3. S

User Story / Conversation / Acceptance Criteria / Tasks

Video Feed Screen:

1. Develop a backend script to retrieve video posts posted in the last x amount of time by the users we are following.
2. Develop UI for displaying video posts of the users we are following which is called the video feed screen.

Task Estimation (Video Feed Screen)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. S
2. M

Picture Feed Screen:

1. Develop a UI for uploading picture stories
2. Develop backend for uploading a picture story
3. Develop a script for retrieving picture stories posted within the last X timeframe by the users we are following.
4. Develop a UI for displaying the picture stories.



5. Develop a backend script to retrieve picture posts posted in the last x amount of time by the users we are following.
6. Develop UI for displaying picture posts of the users we are following which is called the picture feed screen.

Task Estimation (Picture Feed Screen)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. L
2. M
3. S
4. M
5. S
6. M

Trending Feed Screen

User story (Trending Feed Screen):

I, as a Kent student, want a feed screen which displays; postTags, stories and posts which are trending within the university and posts my friends have liked. So that I can stay up to date with popular things that are happening around me at university.

Conversations (Trending Feed Screen):

How far back in terms of days would you like your trending feed page to display posts that your friends have liked?

- I would like the trending feed page to display posts made by the user within the past 2 days.

Would you feel comfortable with your posts by default being displayed on this page visible to all?

- No, I wouldn't feel comfortable with my posts being publicly visible to all as I like to keep myself reserved and there are some posts, I don't want to display to everyone.

Would you like to be able to restrict what data this can display when regarding yourself such as your like history (posts) and posts you have made?

- Yes, I would like to be able to restrict what this page displays in regard to my personal data.

Acceptance Criteria (Trending Feed Screen):

"Given that I am logged into the application and have navigated to the trending feed screen ..."

1. "... if an internet connection has been established and I am on the trending pictures page then the application will then attempt to retrieve; trending postTags, trending stories and posts that my friends have liked that match the picture category. However, if unsuccessful an error message will be promoted."
2. "... if an internet connection has been established and I am on the trending videos page then the application will then attempt to retrieve; trending postTags, trending user stories and posts that my friends have liked that match the video category. However, if unsuccessful an error message will be promoted."
3. "... if a particular trending feed screen (pictures/videos) has successfully retrieved posts from the category "Friends Liked" and I click on a miniature post belonging to this section the application will then navigate me to another screen which displays this post on a normal scale (full screen)."
4. "... if a particular trending feed screen (pictures/videos) has successfully retrieved posts from the category "Going Viral" and I click on a miniature post belonging to this section the application will then navigate me to another screen which displays this post on a normal scale (full screen)."

5. "... if a particular trending feed screen (pictures/videos) has successfully retrieved postTags data from the database and I click on a specific postTag the application will then navigate me to another screen which will then display all the posts correlating to this postTag. However, if there is an issue carrying out this action, I will be prompted with an error message."

Tasks (Trending Feed Screen):

Main Trending Feed Screen:

1. Develop the UI for the top part of the trending feed screen which includes the; profile icon, switch selector (pictures / videos) and a message button. Additionally, the backend functionality of the profile icon and chat button must be developed.



2. Develop backend functionality of the switch selector, once the switch selector state changes the corresponding screen must be displayed.

Task Estimation (Main Trending Feed Screen)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

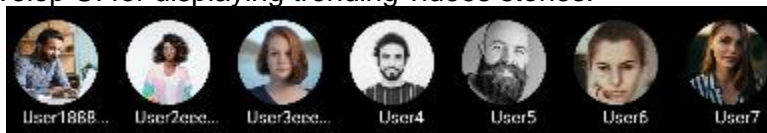
Task:

1. S
2. M

Video Trending Feed Screen:

1. Develop a backend script to retrieve:
 1. Video posts liked by the users we are following in the last x amount of time (Friends Liked section of the Trending Feed Screen).
 2. Trending post tags ordered by total number of posts each postTag has.
 3. Trending video stories ordered by like count.

2. Develop UI for displaying trending videos stories.



3. Develop UI for the rest of the screen (Friends Liked posts, going viral posts, trending post tags).

Task Estimation (Video Trending Feed Screen)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

User Story / Conversation / Acceptance Criteria / Tasks

1. M
2. M
3. M

Picture Trending Feed Screen:

1. Develop a backend script to retrieve:
 4. Picture posts liked by the users we are following in the last x amount of time (Friends Liked section of the Trending Feed Screen).
 5. Trending post tags ordered by total number of posts each postTag has.
 6. Trending picture stories ordered by like count.
2. Develop UI for displaying trending picture stories.



3. Develop UI for the rest of the screen (Friends Liked posts, going viral posts, trending post tags).

Task Estimation (Picture Trending Feed Screen)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. M
2. M
3. M

User Story / Conversation / Acceptance Criteria / Tasks

User Stories

Events

User story (Events):

I, as a Kent student, want the application to enable me to find social events in and around canterbury so that I can plan exciting events/motives to go to with friends.

Conversations (Events):

What type of events would you like the application to provide you the option of finding?

- I would like to find mainly hotspots in town for specific types of events etc; clubbing, game & leisure events in town.

Would you like the application to also, find events internally hosted within the university by campus societies and campus staff?

- Yes, I would like the application to display events by societies.

Would you like the application to allow you to filter events by their target audience, demographic etc; events for university students, events open to the public...?

- I would like an option of selecting the events based on the types of people I may encounter at these events.

Acceptance Criteria (Events):

“Given that I have selected an event and location to find an event in and then I click the submit button”

1. “.... if the application has sufficient internet connection and has successfully managed to retrieve the events details matching the criteria I selected for events in a specific location and event type.

Then this information will then be displayed to me on a new screen which will display all events available”.

2. “.... if the application doesn't retrieve any results for events in the criteria I selected then an error message will be prompted”.

Tasks (Events):

1. Develop UI for getting Events Page for getting event criteria's the user is requesting.
2. Develop backend code for retrieving events matching the criteria's selecting using an API.
3. Develop UI for displaying the results the API retrieved for events matching these criteria.

User Stories

Task Estimation (Events)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

1. S
2. XL
3. L

User Stories

User Stories

Search Screen

User Story (Search):

I, as Kent Student, want the application to allow me to search for accounts I wish to follow based on their username on the application and for posts linked under a specific tag.

Conversations (Search):

How would you like potential matches for a searched postTag to be ordered and displayed?

- I would like postTags to be ordered by their popularity.

How would you like the results for potential matches regarding user profile to be ordered and displayed?

- I would like the accounts to be ordered by the number of friends we share in common and the number of followers that account has.

Acceptance Criteria (Search):

“Given that I am on the search screen and”

1. “.... if I search for a string with the intent to find a particular postTag, if the database can find any potential matches for an “X” postTag / user profile matching this criterion the application will display these results. However, if un-successful an error message will be prompted.

If I then click on one of these recommended postTags the application will then attempt to retrieve posts from the database which are assigned this postTag. If successful, the application will then display these posts in a miniature grid like view which allows each post displayed in the grid view to be expanded into full size on another screen once, this post is clicked on”.

2. “.... if I search for a string with the intent to find a particular user account, if the database can find any potential matches for an “X” user profile / postTag matching this criterion the application will display these results. However, if un-successful an error message will be prompted.

If I then click on one of these recommended accounts I will then be redirected to the ‘Public Profile’ linked to that account.”

Tasks (Events):

1. Develop GUI for search screen (displaying postTags and user accounts, input box)
2. Develop back-end code to search the database for postTags and user accounts.
3. Develop back-end code for retrieving posts correlating to a specific postTag the user has selected.
4. Develop GUI (3x3 grid view) for displaying posts assigned under a specific postTag which was requested and then once a specific post has been triggered by being clicked on the application will then display this post in an enlarged view with information about this post.

User Stories

Task Estimation (Search)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

4. M
5. S
6. S
7. XL

User Stories

Camera Screen

User Story (Camera):

I, as Kent Student, want the application to allow to be able to record or, upload picture and video files to my profile and be able to tag this post under a specified postTag.

Conversations (Camera):

Would you like to be able to upload multiple media files at once to the same post?

- Yes, as this would save me time as opposed to, individually uploading each file.

Acceptance Criteria (Camera):

“Given that the user has given the application camera permissions and is on the camera screen and the media file chosen matches the applications restrictions of file sizing then...”

1. “.... If I select the upload button on the save screen, then my post will be assigned the caption I wrote and be assigned under the postTags I outlined on the save screen to the database.”
2. “.... if the uploading process of a particular post fails the application will prompt an error message.”
3. “... if I successfully upload a post, this post should be visible on my private profile.”

Tasks Criteria (Camera):

1. Develop UI for uploading a media file to the database being a camera screen & image gallery for selecting a file.
2. Develop UI for a Saving page whereby the user can add postTag and a caption to a particular post.
3. Develop back-end code for uploading a chosen media file to the database in the all the correlated collections in the database needed.

Task Estimation (Camera)

Using T-shirt sizes t-shirt sizes XS, S, M, L, and XL.

Task:

4. M
5. S
6. XS

User Stories

Planning

How our group decided to plan our tasks and track our progress was through using an agile approach called Kanban whereby we organized our tasks on a physical wall in 3 categories being; to do, in progress and done.

All the tasks started in the “to do” section and then we shifted the tasks into the different categories based on their completion status.

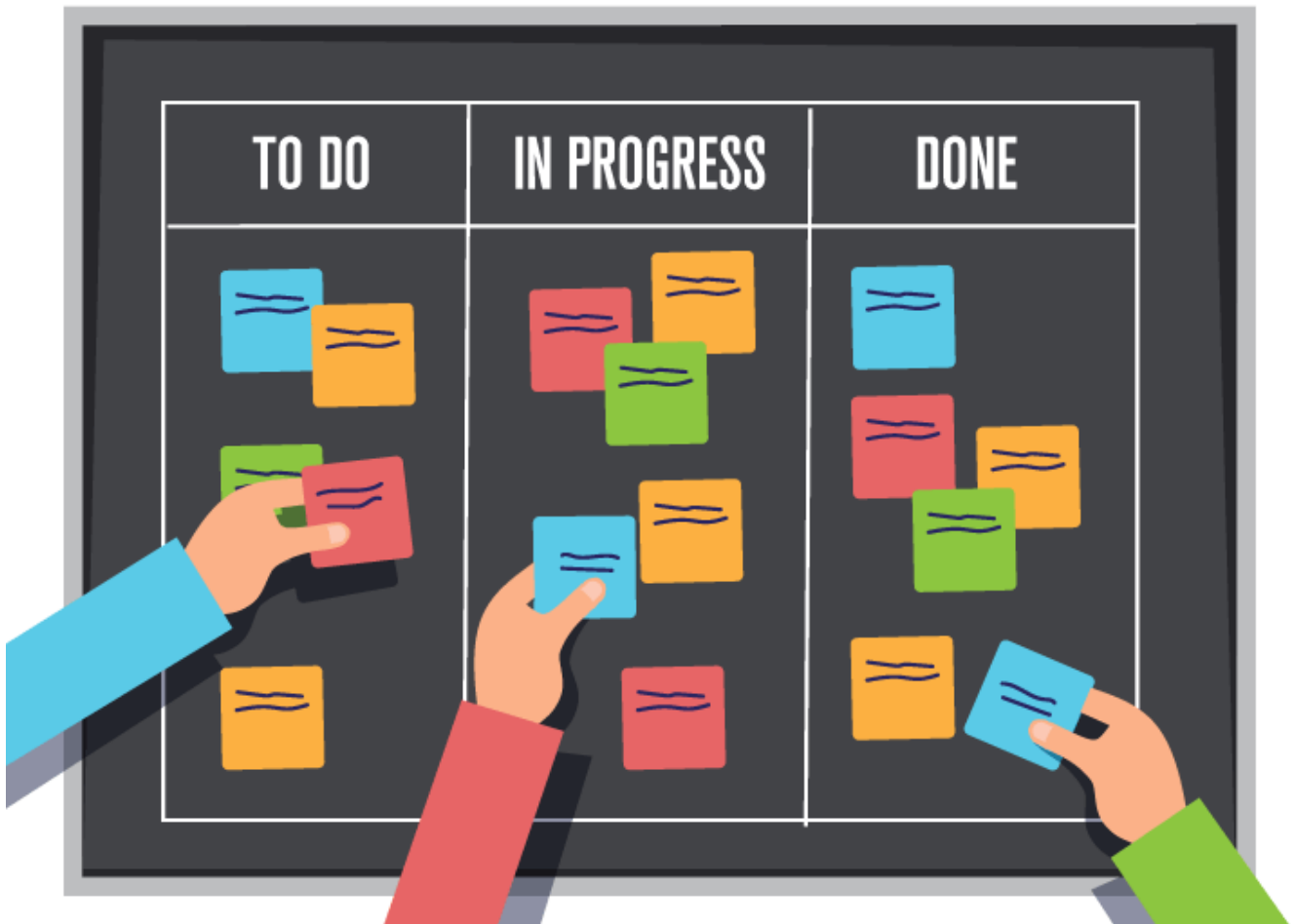


Figure 1 Kanban Image

We chose Kanban as we thought this was the best approach to match our university lifestyles because as a university student finishing work on a deadline doesn't always go to plan especially when some of our other modules have more of an urgent enforced deadline these modules sometimes take priority.

So, for us to pre-predict how long a specific task should take and when it would be expected to be completed through other agile methods was ridiculous as these deadlines would never be realistically met.

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Kanban Image

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