IT-314
ONLINE BLOGGING PLATFORM
LAB 3 : Task 2 and Task 3

Group ID 6

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USER STORIES (Task 2)

TITLE	USER STORY	PRIORITY	ACCEPTANCE CRITERIA
User Registration	As a “new user,” I want to “register my account” so that I can “become a verified user of the platform.”	Must Have	-The registration page should prompt the user to enter their name, email address, and password. - After submitting, the user should receive a confirmation email indicating successful registration. - Upon successful registration, the user’s account should be created and securely stored.
Create and publish blogs	As a “blog writer,” I want to “create and publish blog posts” so that I can “share my content with readers.”	Must Have	- The blog writer should have access to a rich text editor to format their content. - Writers should be able to add images to their blogs. - Posts should have options for tags and categories for better organization.
Blog Post Management	As an "administrator," I want to “monitor and manage blog posts” so that the platform can “maintain high-quality content standards.”	Must Have	- The system should flag certain posts for review based on automated filters or user reports. - The blog writer should be notified that his post is under review. - Administrators should be able to approve, reject, or request edits to flagged posts. - If a post is not approved, it should not be visible to other users. - Once reviewed, it should be visible to everyone.
Comment Management	As an “administrator,” I want to “monitor and manage comments” to “ensure the platform promotes a positive and respectful community.”	Must Have	- The system should automatically flag comments for review based on predefined filters or user reports. - Administrators should have the ability to approve, reject, or modify flagged comments. - Comments that are not approved should be removed or hidden from public view. - A record of all actions taken on comments should be maintained. - Administrators should have the option to restore or unflag comments when necessary.
User Report Management	As an “administrator,” I want to “review and address user reports” to “ensure that inappropriate content or	Must Have	- The system should alert administrators whenever a user reports a post, comment, or another user. - Administrators must have access

	behavior on the platform is managed quickly and effectively.”		to view the reported content and understand the reason for the report. - The system should offer options to dismiss the report, take corrective actions, or escalate the issue if necessary. - A record of all actions taken should be maintained. - Users who file reports should receive updates on the outcome.
Bookmarking	As a “logged-in user,” I want to “bookmark blog posts” so that I can “save them for later reading.”	Should Have	- The blog post page should have a "bookmark" button. - The reader's profile should contain a section with all bookmarked posts. - The reader should be able to remove blog posts from their bookmarks. - After bookmarking a post, it should be available in the bookmarked section.
Following Bloggers	As a “logged-in user,” I want to “follow bloggers” so that I can “receive notification when new content is published.”	Should Have	- Users should have a follow button on a blogger’s profile. - Once followed, users should receive notifications of new blog posts from that blogger. - Users should be able to view and manage a list of followed bloggers in their profile.
Subscription Management	As a “logged-in user,” I want to “subscribe to exclusive content” so that “I can access premium blog posts and features that enhance my reading experience.”	Should Have	- The creator profile page should have a premium subscriber button that redirects to payment. - The subscription page should present various plans, clearly outlining the benefits. - Once subscribed, the user should have access to exclusive content. - The user should be able to manage their subscription directly from their profile, including options to upgrade or cancel their plan.
Analytics and Performance	As a “blog writer,” I want to “track the performance of my blog posts” so that “I can understand what resonates with my audience and improve	Should Have	- Bloggers should have access to an analytics dashboard showing data on views, likes, comments, and shares. - The dashboard should allow filtering by date range and post

	future content.”		type.
Search and Filtering	As a “logged-in user,” I want to “be able to apply features and search by categories, keywords, or tags” so that “I can quickly find relevant content that matches my interests.”	Should Have	- Users can enter keywords in a search bar to find blogs; results should display blogs containing the keyword. - A "Clear Filters" button should be available to reset all applied filters and search terms.
Commenting	As a “logged-in user,” I want to “leave comments on blog posts” so that I can “engage with the content writer and other readers.”	Could Have	- Readers should be able to comment on posts directly. - The comment section should allow for threaded replies. - Users should be able to edit or delete their own comments.
Giving tags to blog posts	As a “blog writer,” I want to “give tags to my blog posts” so that readers can “easily discover content based on specific topics or themes.”	Could Have	- The blogging interface should allow assigning one or more categories or tags. - The platform should provide predefined categories and allow admins to create new ones. - Readers should be able to browse and filter posts by category. - Categories should be clearly displayed on the blog post and blogger’s profile.
Text Highlighting	As a “premium user,” I want to “highlight text within blog posts” so that I can “easily refer back to important sections later.”	Could Have	- Premium users should have the ability to highlight text in different colors. - The highlighted sections should be saved and easily accessible. - The system should allow users to edit or remove highlights. - Highlights should be visibly marked when revisiting a post.
Shareable Links	As a “logged-in user,” I want to “generate a shareable link for blog posts” so that I can “share the content in other platforms or messaging apps.”	Could Have	- Each blog post should have an option to generate a unique shareable link. - Users should be able to copy the link easily and share it on any platform.
Drafts Management	As a “blog writer,” I want to “save drafts of my blog posts” so that I can “work on them over time before publishing.”	Could Have	- The blogging interface should allow saving posts as drafts. - Drafts should be easily accessible from the writer's profile or dashboard. - The system should automatically save drafts at regular intervals. - Writers should be able to edit, update, or delete drafts. - The platform should clearly differentiate between drafts and published posts.

Content Discovery	As a “logged-in user,” I want to “find content of my interest” so that I can “read content of my choice directly.”	Could Have	- Users on Signup should have a screen to enter their interests. - Creators uploading content should select the interests their content is based on.
User Profile Management	As a “logged-in user,” I want to “update my profile picture and personal information” so that I can “keep my profile accurate and up-to-date.”	Could Have	-The platform should allow users to upload a new profile picture, crop it, and replace the existing one with instant updates across the platform. -Users should be able to edit personal information, including their name, email, and bio, with changes saved upon submission. -The profile settings page should validate the information and provide confirmation messages once the updates are successfully applied. -The system should ensure that the updated profile picture and personal information are visible on the user’s public profile immediately.

SPRINTS (Task 3)

Sprint 1: User Registration & Basic User Interactions

User Stories:

- User Registration
- User Profile Management

	Complexity			
Description	Low	Medium	High	Total
Input	–	2 x 4	1 x 6	14
Outputs	1 x 4	1 x 5	–	9
Queries	–	–	–	–
File	–	2 x 10	–	20
Program Interfaces	1 x 5	–	–	5

Total Unadjusted Function Points (TUFP):	48

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	2
Heavily use configuration	1
Transaction rate	3
End-User efficiency	3
Complex Processing	1
Installation ease	4
Multiple sites	0
Performance	3
Distributed functions	1
On-line data entry	4
On-line update	4
Reusability	3
Operational ease	4
Extensibility	3

Processing Complexity (PC) : 36

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 36)

Total Adjusted Function Points(TAFP): 48 * (1.01) = 48.48 FP

- Estimated Time (Assuming 3 FP's per person week) = (49/(3*9)) = 2 weeks

Sprint 2: Blog Post Creation & Management

User Stories:
- Create and publish blogs
- Blog Post Management
- Drafts Management

	Complexity			
Description	Low	Medium	High	Total
Input	1 x 3	2 x 4	–	11
Outputs	1 x 4	–	–	4
Queries	1 x 3	–	–	3
File	2 x 7	1 x 10	–	24
Program Interfaces	–	–	–	–

Total Unadjusted Function Points (TUFP): 42

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	2
Heavily use configuration	1
Transaction rate	2
End-User efficiency	4
Complex Processing	2
Installation ease	3
Multiple sites	1

Performance	3
Distributed functions	1
On-line data entry	3
On-line update	3
Reusability	3
Operational ease	4
Extensibility	3

Processing Complexity (PC) : 35

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 35)

Total Adjusted Function Points(TAFP): 42 * 1 = | 42 FP |

- Estimated Time (Assuming 3 FP's per person week) = (42/(3*9)) = 1.5 weeks

Sprint 3: Commenting & Interaction

User Stories:
- Comment Management
- Commenting

	Complexity			
Description	Low	Medium	High	Total
Input	1 x 3	–	–	3
Outputs	1 x 4	–	–	4
Queries	1 x 3	–	–	3
File	2 x 7	–	–	14
Program Interfaces	–	–	–	–

Total Unadjusted Function Points (TUFP): | 24 |

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	2

Heavily use configuration	1
Transaction rate	2
End-User efficiency	3
Complex Processing	2
Installation ease	3
Multiple sites	1
Performance	2
Distributed functions	1
On-line data entry	3
On-line update	3
Reusability	3
Operational ease	4
Extensibility	3

Processing Complexity (PC) : 33

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 33)

Total Adjusted Function Points(TAFP): 24 * (0.98) = | 23.52 FP |

- Estimated Time (Assuming 3 FP's per person week) = (24/(3*9)) = 1 week

Sprint 4: User Interaction Features & Reporting

User Stories:
- User Report Management
- Following Bloggers
- Bookmarking

	Complexity			
Description	Low	Medium	High	Total
Input	2 x 3	1 x 4	–	10
Outputs	1 x 4	1 x 5	–	9
Queries	1 x 3	–	–	3
File	1 x 7	1 x 10	–	17
Program Interfaces	–	–	–	–

Total Unadjusted Function Points (TUFP): 39

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	3
Heavily use configuration	2
Transaction rate	3
End-User efficiency	4
Complex Processing	3
Installation ease	3
Multiple sites	1
Performance	3
Distributed functions	1
On-line data entry	4
On-line update	4
Reusability	4
Operational ease	4
Extensibility	3

Processing Complexity (PC) : 42

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 42)

Total Adjusted Function Points(TAFP): 39 * (1.07) = 41.73 FP

- Estimated Time (Assuming 3 FP's per person week) = (42/(3*9)) = 1.5 weeks

Sprint 5: Subscription & Analytics

User Stories:

- Subscription Management
- Analytics and Performance

	Complexity			
Description	Low	Medium	High	Total
Input	2 x 3	–	–	6
Outputs	1 x 4	1 x 5	–	9
Queries	1 x 4	–	–	4
File	1 x 7	1 x 10	–	17
Program Interfaces	–	1 x 7	1 x 10	17

Total Unadjusted Function Points (TUFP): 53

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	3
Heavily use configuration	3
Transaction rate	4
End-User efficiency	4
Complex Processing	4
Installation ease	3
Multiple sites	2
Performance	5
Distributed functions	2
On-line data entry	4
On-line update	4
Reusability	4
Operational ease	3
Extensibility	4

Processing Complexity (PC) : 49

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 49)

Total Adjusted Function Points(TAFP): 53 * (1.14) = 60.42 FP

- Estimated Time (Assuming 3 FP's per person week) = (60/(3*9)) = 2.5 weeks

Sprint 6: Search, Filtering & Content Discovery

User Stories:

- Search and Filtering
- Content Discovery

	Complexity			
Description	Low	Medium	High	Total
Input	1 x 3	1 x 4	–	7
Outputs	–	1 x 5	–	5
Queries	1 x 3	–	–	3
File	–	–	–	–
Program Interfaces	–	1 x 7	–	7

Total Unadjusted Function Points (TUFP):	22

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	4
Heavily use configuration	2
Transaction rate	4
End-User efficiency	4
Complex Processing	4
Installation ease	3
Multiple sites	2
Performance	5
Distributed functions	2
On-line data entry	4
On-line update	4
Reusability	3
Operational ease	4
Extensibility	3

Processing Complexity (PC) : 48

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 48)

Total Adjusted Function Points(TAFP): 22 *(1.13) = 24.86 FP

- Estimated Time (Assuming 3 FP's per person week) = (25/(3*9)) = 1 week

Sprint 7: Enhancements & Additional Features

User Stories:
Text Highlighting
Shareable Links
Giving tags to blog posts

	Complexity			
Description	Low	Medium	High	Total
Input	–	1 x 4	–	4
Outputs	1 x 4	–	–	4
Queries	–	–	–	–
File	–	–	–	–
Program Interfaces	–	–	–	–

Total Unadjusted Function Points (TUFP): 8

(0= no effect on processing complexity; 5 = great effect on processing complexity)

Complexity Factor	0-5
Data Communication	3
Heavily use configuration	2
Transaction rate	4
End-User efficiency	2
Complex Processing	4
Installation ease	1
Multiple sites	3

Performance	5
Distributed functions	4
On-line data entry	3
On-line update	3
Reusability	2
Operational ease	2
Extensibility	3

Processing Complexity (PC) : 41

Adjusted Processing Complexity (PCA) = 0.65 + (0.01* 41)

Total Adjusted Function Points(TAFP): 8 * (1.06) = 8.48 FP

- Estimated Time (Assuming 3 FP's per person week) = (8/(3*9)) = 0.5 weeks

- **Total Estimated FP's for the Project: 250 Fp's**
- **Total Estimated Time for the Project: 10 weeks**