**Kreator Konnect**

**22i-0920** Aashir Hameed

**22i-0950** Azfar Bilal

**Problem Statement**

* The problem of: Creators struggling to monetize their content effectively while maintaining a direct connection with their audience.
* Affects: Independent creators and digital artists.
* The impact of which is: Unreliable income streams and dependency on ad-based revenue or sponsorships.
* A successful solution would be: A Patreon-like web system that allows creators to offer memberships, exclusive content, and rewards to their supporters in exchange for recurring payments. The system would include secure payment processing, tier-based memberships, exclusive content access, community engagement features, and analytical tools for creators.

**Features**

* **User Authentication:** Secure sign-up/login for users and creators.
* **Membership Plans:** Creators can create multiple tiers with different benefits.
* **Payment Integration:** Users can subscribe and make recurring payments.
* **Exclusive Content:** Restricted access to premium content for paying members.
* **Community Features:** Commenting, messaging, and interactions between creators and supporters.
* **Dashboard & Analytics:** Insights into revenue, subscriber count, and engagement.
* **Notifications & Emails:** Automated updates for users about new content and billing.

**User Stories & Acceptance Criteria**

**1. User Authentication**

**As a** user, **I want to** sign up/log in securely **so that** my account remains protected.

**Acceptance Criteria:**

* I know I'm done when:
  + Users can sign up with email and password.
  + Users receive an email verification upon sign-up.
  + Users can reset their password via email.
  + Authentication errors provide clear feedback.

**2. Membership Plans**

**As a** creator, **I want to** create multiple membership tiers **so that** I can offer different levels of benefits.

**Acceptance Criteria:**

* I know I'm done when:
  + Creators can define tier names, prices, and benefits.
  + Users can view and compare membership tiers.
  + Subscription details are stored securely.
  + Users can upgrade/downgrade their memberships.

**3. Payment Integration**

**As a** user, **I want to** subscribe and make payments **so that** I can access exclusive content.

**Acceptance Criteria:**

* I know I'm done when:
  + Users can enter payment details securely.
  + Payment processing is handled via a secure API (e.g., Stripe, PayPal).
  + Users receive payment confirmation.
  + Failed payments trigger retry and notification mechanisms.

**4. Exclusive Content Access**

**As a** creator, **I want to** restrict access to premium content **so that** only paying members can view it.

**Acceptance Criteria:**

* I know I'm done when:
  + Creators can mark content as exclusive.
  + Only subscribed members can view exclusive content.
  + Non-members are prompted to subscribe.
  + Access is revoked if the subscription expires.

**5. Community Features**

**As a** user, **I want to** engage with creators and other members **so that** I can participate in discussions.

**Acceptance Criteria:**

* I know I'm done when:
  + Users can comment on posts.
  + Users can message creators (if enabled).
  + Notifications are sent for replies and new posts.
  + Comments can be moderated by creators.

**6. Dashboard & Analytics**

**As a** creator, **I want to** view statistics about my earnings and subscribers **so that** I can track my growth.

**Acceptance Criteria:**

* I know I'm done when:
  + Creators see an overview of their monthly earnings.
  + Subscriber count is updated in real-time.
  + Engagement metrics (views, likes, comments) are displayed.
  + Data visualization is clear and easy to interpret.

**7. Notifications & Emails**

**As a** user, **I want to** receive notifications **so that** I stay updated on new content and payments.

**Acceptance Criteria:**

* I know I'm done when:
  + Users receive email confirmations for payments and subscription changes.
  + Creators get notified of new subscribers.
  + Users are alerted when new content is available.
  + Notification settings are configurable.

**8. Creator Profile Management**

**As a** creator, **I want to** customize my profile **so that** I can represent my brand to supporters.

**Acceptance Criteria:**

* I know I'm done when:
  + Creators can add a profile picture and banner.
  + Creators can write a bio and add social media links.
  + Profile changes are saved successfully.
  + Supporters can view creator profiles.

**9. Subscription Management**

**As a** user, **I want to** manage my subscriptions **so that** I can renew or cancel them anytime.

**Acceptance Criteria:**

* I know I'm done when:
  + Users can cancel or renew their subscriptions.
  + Users receive a confirmation before canceling.
  + Cancellation takes effect at the next billing cycle.
  + Users can view their subscription history.

**10. Creator Revenue Payouts**

**As a** creator, **I want to** withdraw my earnings **so that** I can receive my funds.

**Acceptance Criteria:**

* I know I'm done when:
  + Creators can link a bank account or PayPal for payouts.
  + A minimum payout threshold is enforced.
  + Payout history is visible in the dashboard.
  + Users receive notifications about successful withdrawals.

**11. Content Scheduling**

**As a** creator, **I want to** schedule posts **so that** my content is published automatically at a set time.

**Acceptance Criteria:**

* I know I'm done when:
  + Creators can set a date and time for content release.
  + Scheduled content is published automatically.
  + Users are notified when new content is released.
  + Creators can edit or cancel scheduled posts before publishing.

**12. Search & Discovery**

**As a** user, **I want to** discover new creators **so that** I can find content that interests me.

**Acceptance Criteria:**

* I know I'm done when:
  + Users can search for creators by name or category.
  + A recommended creators section is displayed.
  + Trending creators are featured.
  + Search results are relevant and responsive.

**13. Refund Policy & Dispute Resolution**

**As a** user, **I want to** request a refund or dispute a charge **so that** I can resolve payment issues.

**Acceptance Criteria:**

* I know I'm done when:
  + Users can submit a refund request with a reason.
  + The system logs refund requests for review.
  + Approved refunds are processed automatically.
  + Users receive updates on their refund status.

**14. Multi-Language Support**

**As a** user, **I want to** change the platform language **so that** I can use it in my preferred language.

**Acceptance Criteria:**

* I know im done when:
  + Users can select their preferred language from a dropdown.
  + All interface elements are translated accordingly.
  + The platform remembers the user’s language preference.
  + Users can switch back to the default language anytime.

**15. Dark Mode Feature**

**As a** user, **I want to** enable dark mode **so that** I can reduce eye strain.

**Acceptance Criteria:**

* I know im done when:
  + Users can toggle dark mode in settings.
  + The UI updates accordingly when dark mode is enabled.
  + The platform remembers the user’s preference.
  + All pages and components maintain readability in dark mode.

**16. Two-Factor Authentication**

**As a** user, **I want to** enable two-factor authentication **so that** my account is more secure.

**Acceptance Criteria:**

* I know im done when:
  + Users can enable 2FA in their account settings.
  + A verification code is sent to the registered email/phone.
  + Users must enter the code correctly to complete login.
  + Users can disable 2FA after verification.

**17. Gift Subscriptions**

**As a** user, **I want to** give a subscription to another user **so that** I can support a creator on their behalf.

**Acceptance Criteria:**

* I know im done when:
  + Users can select a membership tier to gift.
  + The recipient receives an email notification.
  + The subscription is applied to the recipient’s account.
  + Users can track gifted subscriptions in their history.

**18. Content Moderation**

**As a** creator, **I want to** moderate content  **so that** I can filter inappropriate comments.

**Acceptance Criteria:**

* I know im done when:
  + System automatically detects and hides flagged words.
  + Creators can customize filter settings.
  + Flagged comments are reviewed before being displayed.
  + Users receive warnings for repeated violations.

**19. Goal-Based Fundraising**

**As a** creator, **I want to** set funding goals **so that** my supporters can contribute towards a specific milestone.

**Acceptance Criteria:**

* I know im done when:
  + Creators can set a funding goal with a deadline.
  + Users can see progress towards the goal.
  + Supporters can contribute additional funds.
  + Creators receive notifications when goals are met.

**20. Collaboration Between Creators**

**As a** creator, **I want to** collaborate with other creators **so that** we can offer joint content to subscribers.

**Acceptance Criteria:**

* I know im done when:
  + Creators can send collaboration invites.
  + Shared content is visible to both sets of supporters.
  + Revenue from collaborations is split as agreed.
  + Collaborations are displayed on creator profiles.

**21. Custom Badges for Supporters**

**As a** creator, **I want to** assign custom badges to my top supporters **so that** I can reward their loyalty.

**Acceptance Criteria:**

* I know im done when:
  + Creators can design and assign badges.
  + Supporters’ badges are displayed next to their username.
  + Badges can be revoked or updated anytime.
  + Users can view their earned badges in their profile.

**22. Content Backup & Recovery**

**As a** creator, **I want to** backup my content **so that** I don’t lose my work due to accidental deletion.

**Acceptance Criteria:**

* I know im done when:
  + Users can manually back up content.
  + Deleted content is stored in a recovery folder for 30 days.
  + Users receive confirmation before permanent deletion.
  + Creators can restore content within the retention period.

**23. Polls & Surveys for Subscribers**

**As a** creator, **I want to** create polls **so that** I can get feedback from my supporters.

**Acceptance Criteria:**

* I know im done when:
  + Creators can set up polls with multiple choices.
  + Subscribers can vote anonymously.
  + Poll results are displayed in real-time.
  + Polls can have an expiration date.

**24. Personalized Recommendations**

**As a** user, **I want** personalized recommendations **so that** I can discover new creators and content I might like.

**Acceptance Criteria:**

* I know im done when:
  + The system suggests creators based on user preferences.
  + Users can provide feedback to refine recommendations.
  + Recommendations update dynamically over time.
  + Trending creators are highlighted based on engagement.

**25. Affiliate Referral Program**

**As a** user, **I want to** refer new users and earn rewards **so that** I can benefit from inviting others.

**Acceptance Criteria:**

* I know im done when:
  + Users receive a referral link to share.
  + New users signing up through the link are tracked.
  + Successful referrals earn rewards (discounts, credits, etc.).
  + Users can view their referral history and rewards.

**Roles And Responsibilities:**

**Azfar Bilal (Scrum Master & Developer)**

* Ensures the team follows Agile methodologies and Scrum practices.
* Develops core backend functionality (authentication, payments, content access).
* Implements database design and manages data persistence.
* Handles API integrations.
* Helps in debugging and performance optimizations.
* Assists in documentation and reporting progress.

**Aashir Hameed (Product Owner & Developer)**

* Defines and refines product requirements and features.
* Works on frontend development (UI, user dashboards, interactions).
* Implements user membership plans & subscriptions.
* Ensures UX/UI design consistency and accessibility.
* Manages testing and bug fixing for front-end features.
* Oversees content moderation and analytics dashboard implementation.

**Team Agreement**

**Methods of Communication**

* Primary communication will be via Trello for task management, Email for formal communication, and WhatsApp for quick discussions and updates.
* Urgent matters should be discussed via WhatsApp, while task updates will be logged on Trello.

**Communication Response Times**

* Trello updates should be checked at least once a day.
* Emails should be responded to within 24 hours.
* WhatsApp messages should be acknowledged within 3-4 hours during working hours.

**Meeting Attendance**

* Weekly sprint review meetings will be held every Friday at 4 PM.
* Attendance is mandatory, except in case of emergencies (prior notice required).
* Stand-up meetings will be optional but encouraged for active updates.

**Running Meetings**

* Meetings will be conducted online via Zoom.
* A rotating team member will take meeting minutes and share the summary on Trello.

**Meeting Preparation**

* Attendees must review the agenda and bring relevant updates.
* Unprepared members will be noted and reminded to be proactive.

**Version Control**

* GitHub will be used for version control.
* Only tested and stable code will be pushed to the main branch.
* Commit messages must be descriptive and concise (e.g., "Added payment API integration").

**Division of Work**

* Tasks will be assigned based on expertise and workload balance.
* The Project Manager and Developers will decide the workload division.
* Stakeholders include creators, subscribers, and system administrators.

**Submitting Assignments**

* All deliverables should be submitted 24 hours before the deadline for review.
* A designated reviewer (chosen per sprint) will approve before final submission.

**Contingency Planning**

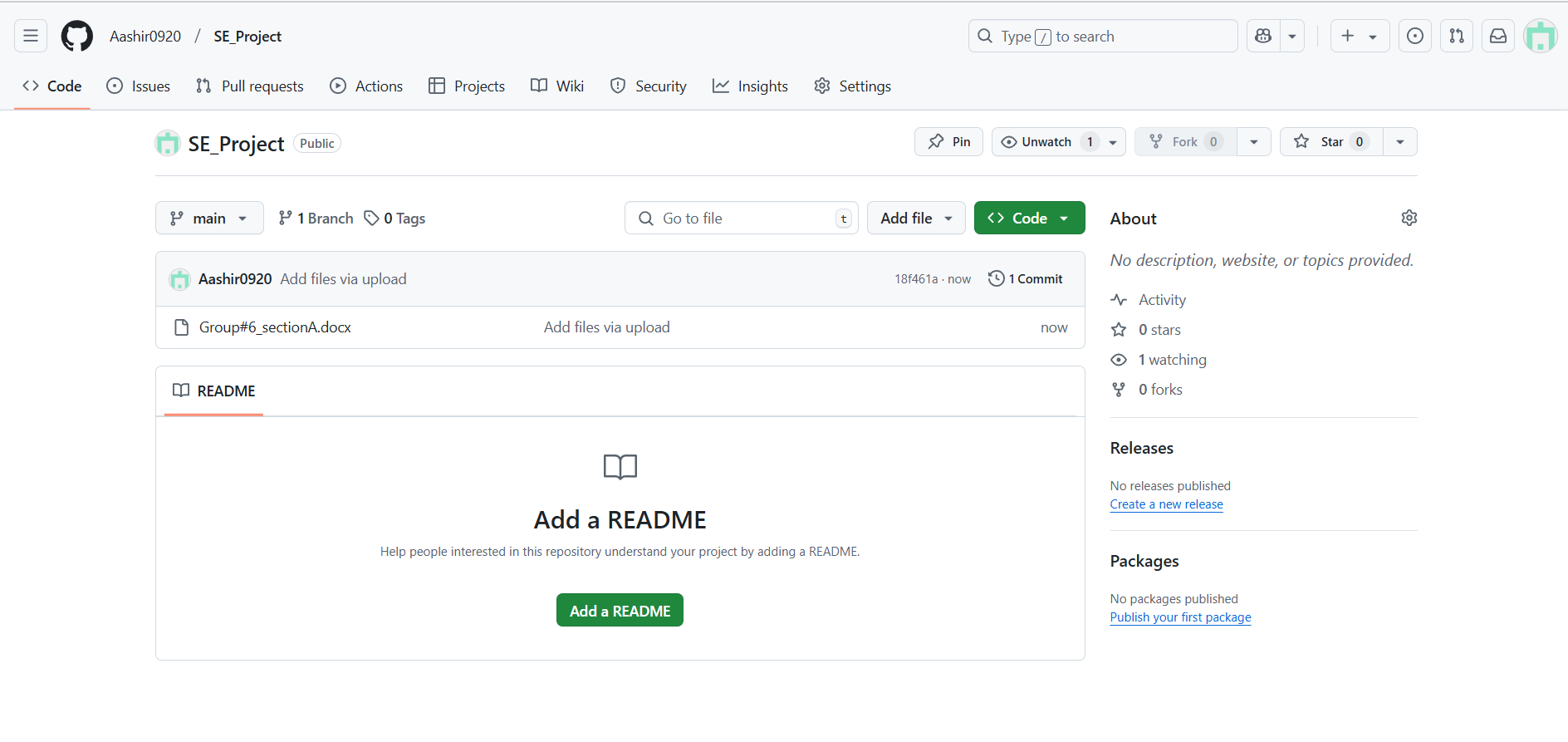
* If a team member drops out, tasks will be reassigned among the remaining members.
* Consistently missing meetings without notice will result in a warning and discussion.
* Academic dishonesty will result in immediate team discussion and escalation to the instructor.

**Sprint BackLog:**

1. User Authentication
2. Exclusive Content Access
3. Profile Management
4. Subscription Management
5. Two Factor Authentication

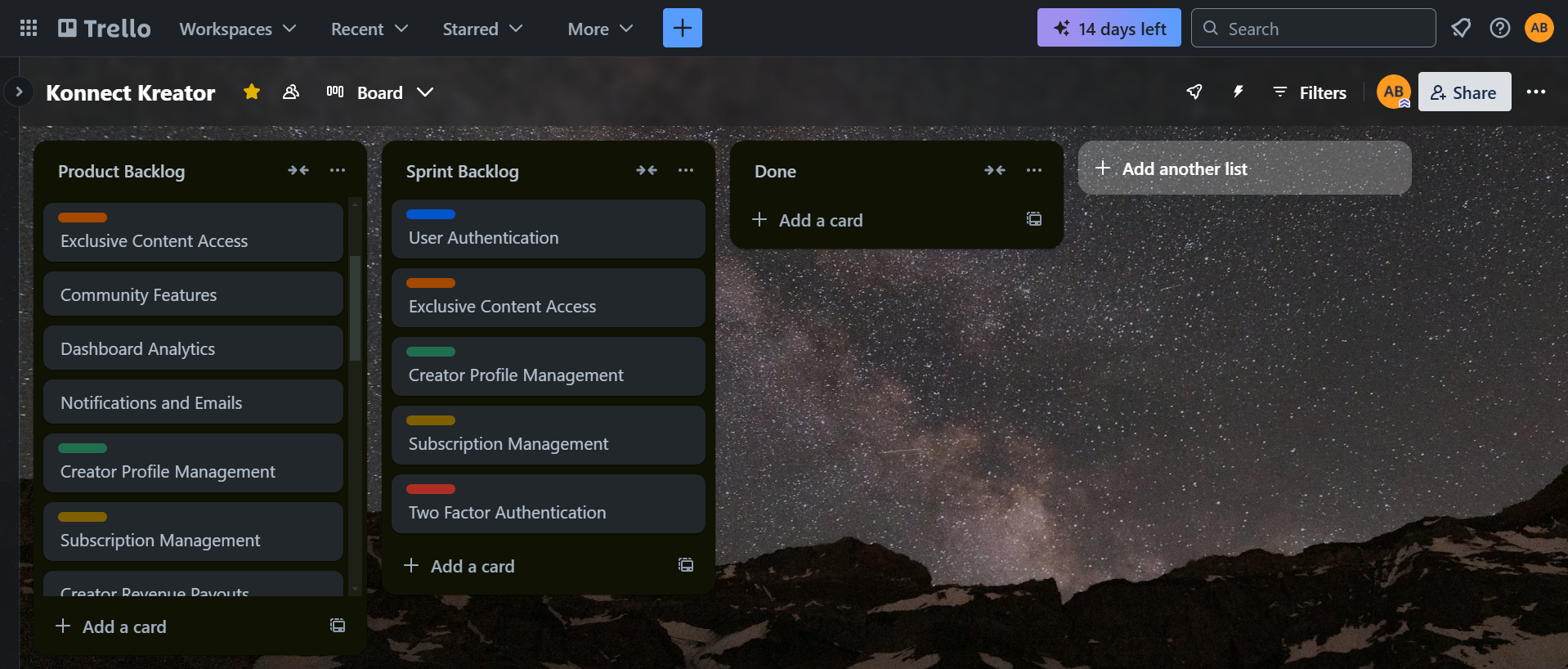
**GitHub Repository**

<https://github.com/Aashir0920/SE_Project>



**Trello:**

[**https://trello.com/invite/b/67c2cc95e57ed946b6e5d794/ATTI05c09f9c46f3d89b55e43a393f23288eC7097249/konnect-kreator**](https://trello.com/invite/b/67c2cc95e57ed946b6e5d794/ATTI05c09f9c46f3d89b55e43a393f23288eC7097249/konnect-kreator)

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