

Sprint Review Document

Sprint Name: Sprint 1 – UI Foundation & Version Control

Duration: 16 hours.

Team Project: BidNow – Online Auction System

Pod Members:

- Geethu Joseph
- Govindh RM
- Jayashree VS
- Karthika RS
- Kushagra Srivastava
- Mayukh Paul.

Submission Date: 18 June, 2025

❖ What Was Planned vs. What Was Delivered

• User Stories for each member task:

Member 1 (Geethu Joseph): Set up GitHub repo, initialize Agile board, define Git workflow.

- As a team member, I want to create and initialize a GitHub repository so that all team members can collaborate in one place.
- As a project organizer, I want to set up an Agile board with columns (To Do, In Progress, Done) so that our sprint tasks are clearly organized.
- As a developer, I want to define and document the Git workflow (e.g., branching, commit rules) so that the team follows a consistent version control strategy.

Member 2 (Govindh RM): Design homepage layout: featured auctions, categories, countdown.

- As a new user. I want a clean, mobile/web-friendly homepage. So that I have a smooth browsing experience on any device.
- As a user. I want to see a section of featured auctions on the homepage. So that I can quickly discover popular or high-value items to bid on.
- As a user. I want to see visual icons and labels for auction categories (e.g., Cars, Electronics, Jewelry, Real Estate). So that I can quickly find items in the category I'm interested in.
- As a bidder. I want to see a countdown timer for each auction. So that I know how urgent it is to bid.

Member 3 (Jayashree VS): Create user registration/login forms with validations.

- As a new user, I want to create an account using a registration form with proper validations so that I can securely access the platform and participate in auctions.
- As a new user, I want to log in using my registered email and password so that I can access my personalized dashboard and features.
- As a user, I want to receive clear messages when login fails (e.g., wrong password or unregistered email) so that I understand what went wrong and how to fix it.
- As an admin, I want access to a secure admin panel so that I can make changes without affecting the bidder/user experience.

Member 4 (Karthika RS): Build static “Live Auctions” page with HTML5 and Bootstrap5.

- As a bidder, I want to view all live auctions in a clear and structured layout so that I can easily browse items to bid on.
- As a user, I want each auction item to be displayed in a card format with image, title, current bid, and remaining time so that I get a quick overview at a glance.
- As a designer, I want the Live Auctions page to be visually appealing and mobile-responsive using Bootstrap 5, so that the layout adjusts smoothly on any device.
- As a developer, I want to structure the page using clean HTML5 and Bootstrap classes to ensure it can be easily extended with JavaScript functionality like countdown timers with Member 6.

Member 5 (Kushagra Srivastava): Add navbar and footer with branding, login/register links.

- As a user, I can navigate through key sections of the site like Home, Live Auctions, Categories, and How It Works using a clean and intuitive navigation bar.
- As a visitor, I can quickly access social media links and support pages in the footer, which contains contact info, quick links, and policy pages.
- As a developer, I implemented both the navbar and footer using Bootstrap 5 to ensure responsiveness across all devices. The navbar collapses into a toggle on smaller screens, and the layout adapts smoothly.
- As a designer, I styled the navbar and footer to maintain a modern, consistent look using brand colors, icons from Font Awesome, and spacing utilities from Bootstrap.

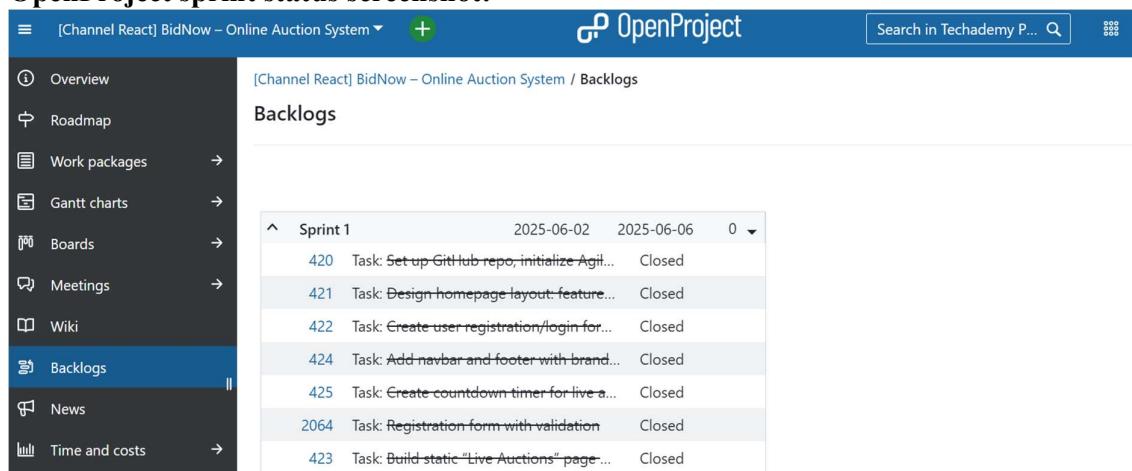
Member 6 (Mayukh Paul): Create countdown timer for live auctions using JS.

- As a user, I want to see a live countdown timer on each auction item, so I can easily track how much time is left before the auction ends.
- As a user, I want the countdown to update automatically every second, so I don’t have to refresh the page to stay informed.
- As a user, I want the timer to display “ENDED” when the auction finishes, so I know exactly when bidding is closed.
- As a user, I want the countdown to work smoothly on both mobile and desktop devices, so I can follow auction timelines conveniently from any platform

Planned Task	Status	Delivered
Set up GitHub repository and initialize Agile board	Completed	GitHub repo created with organized folders and commit history.
Define Git workflow and branching strategy	Completed	Team members used feature branches; merging to master maintained through pull requests.
Design and implement homepage layout with featured auctions & categories	Completed	Homepage has hero section, categories grid, and featured auction cards using Bootstrap.

Create user registration and login forms with validation	Completed	Forms created with HTML5 and validated using JavaScript and Bootstrap classes.
Build static "Live Auctions" page	Completed	Dedicated static page (live-auction.html) with structure for future dynamic data.
Add a responsive navbar and footer	Completed	Navbar and footer implemented with branding, links, and social icons.
Implement JavaScript countdown timer for auctions	Completed	Countdown timer implemented on sample auction cards with real-time updates.

❖ OpenProject sprint status screenshot:



[Channel React] BidNow – Online Auction System			
OpenProject			
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[Channel React] BidNow – Online Auction System / Backlogs			
Backlogs			
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420	Task: Set up GitHub repo, initialize Agil...	Closed	
421	Task: Design homepage layout: feature...	Closed	
422	Task: Create user registration/login for...	Closed	
424	Task: Add navbar and footer with brand...	Closed	
425	Task: Create countdown timer for live a...	Closed	
2064	Task: Registration form with validation	Closed	
423	Task: Build static "Live Auctions" page...	Closed	

❖ Challenges Faced

- 1. Merge Conflicts During Git Workflow Setup (Member 1)**
 - Difficulty occurred when team members pushed changes without pulling the latest master updates, causing version mismatch and merge conflicts.
 - Resolved by defining a clear branching model and setting a rule to pull before push.
- 2. Homepage Layout Inconsistencies (Member 2)**
 - The homepage layout with featured auctions and categories appeared broken on smaller screens.
 - Solved by tweaking Bootstrap grid classes and using col-sm and col-md correctly for responsiveness.
- 3. Form Validation Complexity (Member 3)**
 - HTML5 validations weren't enough, and JS-based checks (e.g., password match, empty fields) had to be written manually.
 - Final solution involved separating form logic into auth.js for reuse and clarity.
- 4. Static Live Auction Page Overflow (Member 4)**
 - Live auction cards overflowed outside containers, especially on tablets.
 - Fixed by nesting cards within proper container and row classes in Bootstrap 5.

5. Navbar/Footer Link Misalignment (Member 5)

- Relative file paths for navigation caused broken links (e.g., login.html not found from subfolders).
- Addressed by centralizing common layouts into nav_footer.html and maintaining consistent link paths.

6. Countdown Timer DOM Target Errors (Member 6)

- Countdown timers broke when JS targeted auction items that weren't rendered yet.
- Fixed by wrapping countdown logic inside DOMContentLoaded to ensure elements were loaded before script execution.

❖ Learnings

1. Git & Agile Workflow:

- Team now understands the value of version control, feature branches, and commit discipline.
- Agile board helped in visualizing progress and managing work distribution.

2. Bootstrap 5 Utility Classes:

- Improved understanding of responsive design using Bootstrap grid and spacing utilities.

3. HTML5 Semantics & Form Validations:

- Used semantic tags (section, nav, footer) and required, type attributes for inputs effectively. Form validation using HTML5 attributes and regex patterns to enforce input rules like required fields, email format, and secure password structure was done.

4. JavaScript DOM & Events:

- Gained confidence in using addEventListener, manipulating DOM elements, and updating UI in real-time.

❖ Deliverables Summary

1. Responsive landing page and user homepage UI created using html and bootstrap.
2. Implemented countdown functionality using JavaScript in countdown.js file.
3. GitHub Repo initialised for all group members to collaborate and work on, with active branches, commits and merges.
4. Static "Live Auctions" page with auction cards created using Bootstrap and countdown timer integrated to the card.
5. Login and Signup/Registration form with Validation for email and passwords. Checks whether passwords are min 6 characters, has both upper and lowercase and special characters
6. Navbar consisting of icon for the platform and links to navigate to various pages like home, live auction, categories and buttons to login and register. The footer comprises of social media links in the form of icons, contact info and copyright.