

# Sprint Review

**Company:** Top Deal Auto Melbourne, Australia

**Software:** Car Selling Website

**Team name:** Prestige K/DA

**Team Members:**

Name	ID	Roles
Pham Duc Linh	103792371	Product Owner - BA
Pham Anh Vu	103806447	Solutions, IT Architect
Nguyen Thanh Dat	103804881	Project Manager - Scrum Master
Tran Tuan Nam	103792643	Lead Developer (BE)
Phung Xuan Tung	103792054	Lead Developer (FE)

**Tutorial class:** Fri 1:00 PM DT7.2

**Tutor's Name:** Dr. Pham Thi Kim Dzung

## **1. What user stories were committed to during Sprint 1, and were they all completed?**

### Story 1

As a user, I want to be able to see all the cars that are currently being sold by Top Deal Auto directly on the website instead of having to directly go to the dealership.

#### **Acceptance Criteria:**

- When a user visits the Top Deal Auto website, there should be a section or page clearly labeled "Available Cars" or similar.
- This section should list all cars currently available for sale, showing at least the car's make, model, and year.
- Each car listing should include a thumbnail image of the car.
- The listings should be updated in real-time or near real-time to reflect the current inventory.

### Story 2

As a user, I want to be able to see the cars that are being sold by Top Deal Auto on the website that match certain criteria like name, make, model, price range,...

#### **Acceptance Criteria:**

- The "Available Cars" section should include a filter and search functionality where users can input specific criteria such as name, make, model, and price range.
- The search results should dynamically update to display only the cars that match the entered criteria.
- Each search result should display at least the car's make, model, year, and price.
- The search and filter system should provide feedback when no results match the criteria, suggesting the user to adjust their filters.

### Story 3

As a user, I want to be able to see a specific product (car) in detail, with images, specifications, and quantity remaining...

#### **Acceptance Criteria:**

- Clicking on a car from the list of available cars should direct the user to a detailed page for that car.
- The detail page should include multiple images of the car, viewable as a gallery or slideshow.
- Specifications listed should include, but not be limited to, the car's make, model, year, engine size, fuel type, mileage, and transmission type.

- If applicable, the page should display the remaining quantity (for new cars) or indicate if it's a unique item (for used cars).
- The page should also include a contact or inquiry button to facilitate immediate communication with the dealership.

## Story 4

As a site administrator, I want to be able to log in to a separate admin portal with my own secret credentials. In this portal, I am able to perform product management tasks. My changes will be reflected in the main website.

### Acceptance Criteria:

- There should be a secure login page for administrators to access the admin portal, requiring a username and password.
- The admin portal should provide functionality to add, edit, or remove car listings from the inventory.
- Changes made in the admin portal should be reflected on the main website in real-time or near real-time.
- The portal should allow the administrator to manage not just the car listings but also other content on the website, such as promotional banners, news, or events.
- Access to the admin portal should be logged, and secure practices should be in place to prevent unauthorized access.

All stories committed during Sprint 1 was completed

## 2. Were any obstacles or limitations hindering progress during Sprint 1?

- **Copyright use issue:** A frontend UI library updated their Copyright policy to not allow free use for commercial uses. This issue was only discovered near the first deployment of the project.
- **Infrastructure payment issue:** Our staging deployment was delayed due to a payment issue when buying a Reserved Database Instance.
- **Personnel issue:** Our lead Backend developer experienced unexpected personal life problems which required a 2 weeks off period.

## 3. How did the team address any issues or blockers during the sprint?

- **Copyright use issue:** The front end team then had to find another library that allowed commercial use and integrate that into the project. Developers on the frontend team were required to do 3 hours of overtime each to still meet the deployment deadline
- **Infrastructure payment issue:** Infrastructure team had to contact Top Deal Auto's accounting department to resolve their Credit Card issue, which turns out their local credit card issuer was not a verified partner with AWS, our

infrastructure provider. The payment method was changed to VISA, a compatible alternative

- **Personnel issue:** Another senior developer from another project in the company had to stand in during the 2 week period. Thankfully, due to proper procedures and documentation, the replacement developer was able to join and quickly catch up to pace with the rest of the team. This did not affect any client promised deadline.

#### **4. Did the team encounter any unexpected challenges or dependencies that affected sprint delivery?**

Yes, the team encountered several unexpected challenges and dependencies that affected the delivery of Sprint 1, primarily focused on developing the search and filtering functionality for the car dealership's ecommerce website. These challenges included:

- **Integration with Vehicle Database:** The team faced difficulties integrating the website's search functionality with the dealership's existing vehicle database. The database's outdated architecture and inconsistent data formats required significant effort to standardize and make it compatible with the new website, leading to delays.
- **Performance Optimization:** As the search functionality was developed, initial tests revealed performance issues, particularly with loading times for search results and filtering options. Optimizing the website for faster response times required additional work on database indexing and query optimization, which was not initially accounted for in the sprint plan.

#### **5. How did the team collaborate and communicate throughout Sprint 1?**

During Sprint 1, our team utilized **Trello for project management** and **GitHub for code management**, streamlining collaboration and communication effectively. Trello's board was organized into lists reflecting our workflow, from 'Backlog' to 'Done', ensuring clarity on task statuses and priorities. Daily stand-ups facilitated via Trello allowed for quick status updates and immediate identification of blockers. Cards for each task or user story detailed requirements and acceptance criteria, fostering clear expectations. GitHub complemented this by hosting our codebase, supporting a feature-branch workflow that enabled simultaneous development without conflicts. Pull requests and code reviews in GitHub ensured high code quality, while GitHub Issues tracked bugs and feature requests, keeping the project organized and on track.

This combination of tools ensured seamless integration between project planning and code development. Trello provided a visual and interactive platform for task management and team communication, while GitHub offered a robust environment for version control, code review, and automated deployments. Together, these platforms facilitated a highly collaborative and efficient development process, enabling the team to adapt to challenges and maintain progress towards our sprint

goals. The use of these tools underscored our commitment to transparency, quality, and continuous improvement throughout the development cycle.

## **6. What was the speed of the team during Sprint 1, and how does it compare to the previous time when writing the project proposal?**

The development team at Top Deal Auto has been making steady progress on the car sale website. Notably, features F6, F5, and F8 have been completed earlier than expected, showcasing the team's efficiency in enhancing administrative capabilities. Feature F6, which allows the admin to add or remove cars from the site, was completed the earliest comparatively, while F5 and F8, enabling admin login to the portal and viewing basic user information, were finished not far behind.

On the other hand, features F1 and F2, which allow users to view selling cars and search for cars with suitable categories, are on time. Feature F4, enabling users to see a car's detailed information, is slightly late but progressing well otherwise. Similarly, F7 and F9, which involve editing cars' information and viewing users' detailed information by the admin, are slightly behind schedule. Lastly, F3, which allows users to register an account, is also a bit late.

Overall, the team is maintaining a good pace, with most features being delivered on time or with minor delays, ensuring that the website will serve its purpose effectively for both users and administrators.

## **7. Were there any changes or adjustments made to the sprint backlog during the sprint? If so, why?**

During the sprint, no changes or adjustments were made to the sprint backlog. The original set of tasks and user stories remained intact throughout the sprint. This stability could indicate that the team had a well-defined scope and clear understanding of the requirements at the beginning of the sprint. Additionally, it suggests effective planning and prioritization, as well as minimal unexpected disruptions or changes in project direction. Overall, the absence of modifications to the sprint backlog reflects a streamlined and focused execution of Sprint 1 for the TOP DEAL AUTO website project.

## **8. Did the team find any parts of the codebase that need to be cleaned up or improved due to technical issues?**

During Sprint 1 of the TOP DEAL AUTO website project, the team identified several codebase issues. These included code duplication, complexity, performance bottlenecks, security vulnerabilities, code smells, and a lack of documentation. Addressing these concerns is essential for improving code quality, enhancing performance, and maintaining application security and maintainability.

## **9. How effective were the daily stand-up meetings in keeping the team aligned and focused?**

The daily stand-up meetings played a crucial role in keeping the team aligned and focused during the TOP DEAL AUTO website project. By providing concise

updates on progress, highlighting any obstacles, and encouraging collaboration among team members, these meetings ensured that everyone stayed informed and on track. Regular evaluation of the meetings' effectiveness allowed the team to make necessary adjustments and maintain their productivity throughout the project.

#### **10. What lessons did the team learn from Sprint 1 that can be applied to improve future sprints?**

From Sprint 1 of the TOP DEAL AUTO website project, the team gathered valuable insights to enhance future sprints. These lessons encompass refining estimation practices for more accurate planning, setting clearer sprint goals to maintain alignment, and allocating tasks effectively to ensure a balanced workload. Emphasizing continuous improvement in processes, the team aims to optimize risk management strategies and integrate feedback from stakeholders for enhanced product development. Furthermore, they seek to improve quality assurance practices and foster positive team dynamics to promote better collaboration and productivity in upcoming iterations.

#### **11. What management strategies have you/your team applied, and how? Are you happy and satisfied with your team's management approach?**

As part of our website project in Sprint 1, our team has implemented several management strategies to ensure efficiency and productivity:

- **Agile Methodology:** organize our project development process. This involves breaking down the project into manageable tasks or user stories, prioritizing them, and completing them within short iterations known as sprints.
- **Scrum Framework:** structure our sprints. This includes daily stand-up meetings to discuss progress, identify any obstacles, and plan the day's tasks. We also conduct sprint planning meetings at the beginning of each sprint to determine the goals and tasks for that iteration.
- **Task Management Tools (Trello):** track our progress and manage tasks efficiently. The platform allow us to create, assign, and track tasks, set deadlines, and monitor the overall progress of the project.  
**Clear Communication Channels:** We've established clear communication channels within our team, ensuring that everyone is updated on project developments, issues, and deadlines. This includes regular team meetings, as well as utilizing Messenger and Google Meet for real-time collaboration.  
**Regular Feedback Loops:** We believe in the importance of feedback to improve our processes and deliverables continuously. Throughout Sprint 1, we're gathering feedback from stakeholders, clients, and team members to identify areas for improvement and make necessary adjustments.

Overall, we're satisfied with our team's management approach in Sprint 1. By following Agile principles, utilizing effective communication channels, and incorporating feedback loops, we've been able to stay organized, address challenges promptly, and make progress towards our project goals. We'll continue to refine our strategies as we progress through subsequent sprints to ensure the successful delivery of our website project.

## 12. How is the teamwork spirit in the project?

The teamwork spirit within our project is strong and collaborative. Despite the challenges and complexities that often come with website development projects, our team members are actively engaged, supportive of one another, and committed to achieving our shared goals.

Here's how the teamwork spirit manifests within our project:

- **Open Communication:** We foster an environment where team members feel comfortable expressing their ideas, concerns, and opinions. Open communication channels allow us to address issues promptly, share knowledge, and collaborate effectively.
- **Shared Responsibility:** Each team member understands their role and responsibilities within the project. We emphasize the importance of collaboration and recognize that everyone's contribution is essential to the project's success.
- **Mutual Respect:** Respect for each other's expertise, perspectives, and contributions is fundamental to our teamwork spirit. We value diversity and recognize the strength that comes from leveraging each team member's unique skills and experiences.
- **Support and Encouragement:** Team members actively support and encourage each other throughout the project. Whether it's offering assistance with challenging tasks, providing constructive feedback, or celebrating achievements, we prioritize fostering a positive and supportive team dynamic.
- **Problem-Solving Approach:** When faced with obstacles or setbacks, our team approaches challenges with a problem-solving mindset. We collaborate to identify solutions, brainstorm ideas, and adapt our strategies as needed to overcome any hurdles that arise.

Overall, the teamwork spirit within our project is thriving, driven by a shared commitment to excellence, collaboration, and mutual respect. By working together effectively, we're confident in our ability to successfully deliver our website project and achieve our objectives.