

Sprint Planning Meeting

Top Deal Auto Website

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. Sprint 1 Items

No.	Item	Dependencies	Business Value (40%)	Development Effort (20%)	Date Needed (30%)	Risk Involved (10%)
F1	Allow users to see selling cars	None	9	7	8	5
F2	Allow users to search for cars with suitable categories	F1	9	7	5	8
F3	Allow users to register an account	None	8	4	2	3
F4	Allow users to see a car's detailed information	F1, F3	9	5	3	6
F5	Allow admin to login to an admin portal	None	9	3	2	3
F6	Allow admin to add/remove cars from the site	F5	9	5	3	8
F7	Allow admin to edit cars' information	F5	9	3	3	7
F8	Allow admin to see basic information of users	F5, F3	9	3	3	5
F9	Allow admin to see users' detailed information	F5, F3	8	3	3	5

2. Factors affect the success of the project

Member	Opinion
Dat	I think the most important factor for the project success is the user experience. We should focus on making the website easy to use, attractive, and responsive.

Vu	I agree that user experience is important, but I also think that security is a key factor. We should ensure that the user and admin accounts are protected from unauthorized access, and that the data is encrypted and backed up.
Linh	I think that functionality is the most crucial factor for the project success. We should make sure that the website can perform all the tasks that the users and admins need, such as searching, viewing, adding, removing, and editing cars.
Tung	I think that performance is the most significant factor for the project success. We should optimize the website speed, load time, and resource usage, and avoid any errors or bugs.
Nam	I think that business value is the most essential factor for the project success. We should prioritize the features that have the highest impact on the customer satisfaction, retention, and revenue.

Our team eventually agreed that the factors affecting the project success were business value, development effort, feature dependency, date needed, and risk involved. We decided to rank these factors according to their importance and assign weights to them. Then we used a scoring matrix to evaluate each feature based on these factors and calculate a weighted score. The features with the highest scores were selected for the first release, while the features with lower scores were deferred to later releases or discarded. This way, the team ensured that they delivered the most valuable and feasible features within the given timeline and budget, while minimizing the risks and dependencies.

3. Item priority criteria

Each factor addresses different aspects of backlog items, and their significance varies depending on project requirements and objectives. For example, while business value and timeline are often critical, the importance of development effort and risk may vary depending on the project's context and goals.

Factors may have different weights based on project priorities and objectives. For instance, in a time-critical project, timeline considerations may outweigh other factors, whereas in a project focused on innovation, business value may take precedence.

In the project of developing a car selling website for Top Deal Auto, the proper weighing among the factors may be proposed as follows:

Business Value: High importance. The primary goal of the website is to generate revenue by selling cars. Therefore, features that directly contribute to increasing sales, such as user-friendly search filters, product recommendations, and secure payment options, should be prioritized to maximize business value.

Development Effort: Moderate to high importance. While it's essential to prioritize features that add significant business value, consideration should also be given to development effort. Prioritizing features that can be implemented efficiently and within a reasonable timeframe helps in achieving quicker time-to-market and optimizing resource utilization.

Feature Dependency: Moderate importance. While addressing feature dependencies is crucial to ensure smooth development workflows, it may not be as critical as business value and development effort in this context. However, prioritizing items that unblock critical features or pave the way for enhanced user experience, such as a seamless checkout process or integrated financing options, can still be important.

Date Needed / Timeline: High importance. Given the competitive nature of the online car sales market, adhering to timelines is crucial to launching the website within a reasonable timeframe. Features that contribute directly to the core functionality of the website and facilitate early launch, such as inventory management, product listings, and user registration, should be prioritized to meet project deadlines.

Risk involved: Moderate importance. While mitigating risks is essential for project success, it may not be as urgent as other factors such as business value and timeline in this context. However, prioritizing items that address potential risks, such as security vulnerabilities, regulatory compliance, and scalability concerns, can help in ensuring the long-term success and sustainability of the website.

4. Backlog Items Prioritized

The table below ranked the Items in sprint 1 based on the criterias discussed in section 3 and priority score in section 1.

No.	Item	Priority Score
F1	Allow users to see selling cars	7.9
F2	Allow users to search for cars with suitable categories	7.3
F6	Allow admin to add/remove cars from the site	6.3

F4	Allow users to see a car's detailed information	6.1
F7	Allow admin to edit cars' information	5.8
F8	Allow admin to see basic information of users	5.6
F9	Allow admin to see users' detailed information	5.2
F5	Allow admin to login to an admin portal	5.1
F3	Allow users to register an account	4.9

5. Word Breakdown Structure (WBS)

F1. "Allow user to see selling cars"

1. UI Design for Selling Cars Page (Assigned to Phung Xuan Tung):

- Design wireframes for the page displaying selling cars.
- Estimated Time: 4 hours.

2. Backend Setup (Assigned to Tran Tuan Nam):

- Determine data structure for selling cars.
- Set up backend routes/controllers to fetch selling car data.
- Estimated Time: 6 hours.

3. Frontend Setup (Assigned to Phung Xuan Tung):

- Implement frontend components for displaying selling cars.
- Integrate with backend API endpoints.
- Estimated Time: 8 hours.

4. Filtering and Sorting (Assigned to Tran Tuan Nam):

- Implement functionality for users to filter and sort selling cars based on various criteria (e.g., price, make, model).
- Include UI elements for filter options.

- Estimated Time: 6 hours.

5. Pagination (Assigned to Phung Xuan Tung):

- Implement pagination for the selling cars page to handle large datasets.
- Include UI controls for navigating through pages.
- Estimated Time: 4 hours.

6. Car Detail View (Assigned to Phung Xuan Tung):

- Implement functionality for users to view detailed information about a specific selling car.
- Design and implement the layout for the car detail view.
- Estimated Time: 6 hours.

7. Integration with User Authentication (Assigned to Tran Tuan Nam):

- Ensure that only authenticated users can access the selling cars page.
- Implement redirects for unauthenticated users.
- Estimated Time: 3 hours.

8. Testing (Assigned to Tran Tuan Nam):

- Write unit tests for backend functionality.
- Perform integration tests for frontend-backend interactions.
- Estimated Time: 10 hours.

9. Bug Fixes and Refactoring (Assigned to Tran Tuan Nam):

- Address any bugs found during testing.
- Refactor code for better maintainability.
- Estimated Time: 6 hours.

10. Documentation (Assigned to Pham Duc Linh):

- Document any setup instructions or requirements for users.
- Document user guide for navigating the selling cars page.
- Estimated Time: 4 hours.

Total Estimated Time: 57 hours

These estimates can vary depending on factors such as the complexity of your existing system, familiarity with the technologies involved, and any unforeseen challenges encountered during development.