



## **Sprint D Planning**

TRUCK SYSTEMS DASHBOARD

Author: Chop Shop

Date: 16/05/2025

Version: 1.0

## Version History

Version	Date	Author	Description
1.0	16/05/2025	Joep Hendriks	Initial version.

### 1.1 Slider with Graphs

**User Story:**

As a marketing analyst, I want to view dynamic graphs using a slider so that I can explore trends over time.

**Acceptance Criteria:**

- Graphs are interactive and update with slider input.
- Time-based data (e.g., visits, interactions) is visualized.
- Smooth UI/UX transitions and responsiveness.

**DoD:**

- Graphs respond to slider correctly.
- Data shown is accurate and relevant.
- Visual layout and performance reviewed.

**Assigned to:**

- Georgi & Radoslav

### 1.2 Browser Usages

**User Story:**

As a developer, I want to see which browsers users are using so I can optimize compatibility.

**Acceptance Criteria:**

- Track and log browser types and versions.
- Display distribution via pie chart.

**DoD:**

- Browser usage data is collected correctly.
- Pie chart visualization is implemented and styled.

**Assigned to:**

- Georgi & Radoslav

## **1.3 Device Distribution**

### **User Story:**

As a product strategist, I want to understand which devices users access the website from to prioritize design optimization.

### **Acceptance Criteria:**

- Track device types (mobile, desktop, tablet).
- Visualize with a pie chart or bar chart.

### **DoD:**

- Device types are recorded accurately.
- Chart visualization is styled and reviewed.

### **Assigned to:**

- Georgi & Radoslav

## **1.4 Product Interaction Types**

### **User Story:**

As a UX researcher, I want to categorize product interactions so I can assess how users engage with features.

### **Acceptance Criteria:**

- Identify and group types of product interactions.
- Present data in charts (bar or pie).

### **DoD:**

- Events grouped and labeled correctly.
- Charts reviewed for insight accuracy.

### **Assigned to:**

- Georgi & Radoslav

## 1.5 Average Time Spent on Website/Pages

### User Story:

As a content strategist, I want to know how long users spend on pages to evaluate content effectiveness.

### Acceptance Criteria:

- Track session durations per page.
- Visualize averages over time.

### DoD:

- Data collection and averaging implemented.
- Line graph or bar chart shows trends.

### Assigned to:

- Georgi & Radoslav

## 1.6 Database Connection (Flyway)

### User Story:

As a backend engineer, I want to integrate Flyway so that database migrations are automated and versioned.

### Acceptance Criteria:

- Setup Flyway migration structure.
- Add initial migration scripts.

### DoD:

- Flyway integrated with project.
- Scripts tested for consistency.

### Assigned to:

- Joep

## 1.7 Unit Tests

### User Story:

As a developer, I want to implement unit tests for key modules so that I can ensure code correctness and prevent regressions.

### Acceptance Criteria:

- Write unit tests for new and updated components.
- Use meaningful assertions that cover edge cases.
- All tests must pass before deployment.

### DoD:

- Minimum of 80% test coverage on critical modules.
- Tests reviewed and validated by peers.
- Test suite integrated into CI pipeline.

### Assigned to:

- Hristo

## 1.7 User Timeline

### User Story:

As a product analyst, I want to visualize a user's activity over time so that I can understand behavioral patterns and journey stages.

### Acceptance Criteria:

- Retrieve user activity data from the database.
- Display events in a timeline component.
- Include timestamps and event types.

### DoD:

- Timeline loads accurately with real user data.
- UI is styled and readable across screen sizes.
- Performance tested with high-volume data.

### Assigned to:

- Haizhou

## **1.9 Research Document Update**

### **User Story:**

As a team member, I want to update the research document to include Sprint D findings so that future development is well-informed.

### **Acceptance Criteria:**

- Summarize implementation results and decisions.
- Include screenshots or diagrams where applicable.
- Organize findings clearly by topic.

### **DoD:**

- Document is updated and stored in the shared drive/repository.
- Content is peer-reviewed for clarity and completeness.
- Matches formatting and versioning of previous documents.

### **Assigned to:**

- Francisco

## **Sprint Timeline**

Sprint Start: [16/05/2025]

Sprint End: [06/06/2025]

Sprint Review & Retrospective: [02/06/2025]