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★EURO TRUCK★

SIMULATOR 2



TEST PLAN:

Product Name: ***EURO TRUCK simulator 2***

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Introduction :-

Euro Truck Simulator 2

1. *Euro Truck Simulator 2 is a vehicle simulation game developed by SCS Software.*
 2. *The game allows players to drive trucks and deliver cargo across Europe.*
 3. *Germany (BRD – Bundesrepublik Deutschland) is one of the main regions in the game.*
 4. *It includes major cities like Berlin, Hamburg, Munich, and Frankfurt.*
 5. *The game features realistic roads, traffic rules, and weather conditions.*
 6. *Players experience real-time driving, navigation, and logistics management.*
 7. *ETS2 is also used for learning and practicing manual software testing concepts.*

Business Objective: –

- 1. To provide a realistic truck driving and logistics simulation experience.*
- 2. To simulate real-world transportation and supply chain operations.*
- 3. To improve user engagement through immersive gameplay and realism.*
- 4. To support continuous revenue through game sales and DLC expansions.*
- 5. To build a strong global player community and brand presence.*
- 6. To ensure high-quality performance through regular updates and testing.*
- 7. To use the game as a learning tool for driving, logistics, and software testing.*

Application Overview: –

1. Euro Truck Simulator 2 is a truck driving simulation application developed by SCS Software.
2. The application allows users to control trucks and transport cargo across European countries.
3. It includes detailed maps, realistic vehicles, and real-world traffic rules.
4. Users can choose different trucks, trailers, and customization options.
5. The application supports single-player and multiplayer modes.
6. It tracks driver progress, earnings, and completed deliveries.
7. ETS2 is widely used for entertainment, learning logistics, and manual testing practice.

Scope: –

In Scope:

1. Truck driving and vehicle control functionality.
2. Cargo delivery and job selection system.
3. Germany (BRD) map roads, cities, and routes.
4. Traffic rules, signals, and speed limits.
5. Single-player and multiplayer gameplay.
6. Truck customization and upgrades.
7. Game performance, UI, and navigation system.

Out of Scope:

1. Real-world vehicle maintenance and repairs.
2. Physical driving skill certification.
3. Real-life traffic law enforcement.
4. Hardware or steering wheel manufacturing.
5. Third-party mod bugs and issues.
6. External network or ISP problems.
7. Player behavior outside the application.

Stakeholders: –

1. Game Developer:- SCS Software (designs and develops the game).
2. Game Testers / QA Team:- Ensure quality and bug-free gameplay.
3. Players / End Users:- Use and interact with the application.
4. Project Managers:- Plan, monitor, and manage development activities.
5. Designers:- Create maps, trucks, UI, and game assets.
6. Publishers / Distributors:- Distribute the game via platforms like Steam.
7. Mod Developers & Community:- Enhance gameplay through add-ons and feedback

Business Requirements: –

1. The application shall provide a realistic truck driving simulation experience.
2. The system shall allow users to transport cargo between multiple European cities.
3. The application shall support the Germany (BRD) map with accurate roads and cities.
4. The system shall include multiple truck brands and cargo types.
5. The application shall track user progress, earnings, and delivery status.
6. The system shall support single-player and multiplayer modes.
7. The application shall ensure stable performance, usability, and regular updates.

Functional Requirements: –

1. The system shall allow users to start, drive, and park trucks.
2. The system shall enable users to select and accept delivery jobs.
3. The application shall display navigation maps and route guidance.
4. The system shall simulate traffic rules, signals, and penalties.
5. The application shall allow truck customization and upgrades.
6. The system shall calculate delivery time, fuel usage, and earnings.
7. The application shall save user progress and game settings automatically.

Non-Functional Requirements: –

1. The application shall load the game within an acceptable time limit.
2. The system shall provide smooth performance without lag or crashes.
3. The application shall support different screen resolutions and devices.
4. The system shall ensure data accuracy for earnings, distance, and progress.
5. The application shall provide a user-friendly and intuitive interface.
6. The system shall maintain stability during long gameplay sessions.
7. The application shall ensure secure storage of user profiles and settings.

Assumptions & Constraints: –

Assumptions:

1. Users have a compatible PC and stable internet connection.
2. Players understand basic driving controls and game mechanics.
3. The Germany (BRD) map is installed and properly updated.
4. Users follow in-game traffic rules during gameplay.
5. Required system software and drivers are up to date.

Constraints:

1. The game performance depends on system hardware capability.
2. Multiplayer mode requires a stable internet connection.
3. Some features are limited to paid DLCs.
4. Third-party mods may affect stability and are not fully supported.
5. Game behavior is restricted by the game engine limitations.

Dependencies: –

1. Availability of compatible operating system (Windows / Linux).
2. System hardware meeting minimum and recommended requirements.
3. Installation of the base ETS2 game.
4. Germany (BRD) map availability and related DLCs.
5. Stable internet connection for multiplayer features.
6. External platforms such as Steam for installation and updates.
7. Game updates and patches released by the developer (SCS Software).

Acceptance Criteria: –

1. The game should launch successfully without errors.
2. The user should be able to select a truck and start driving.
3. The system should allow users to accept and complete delivery jobs.
4. The navigation map should correctly display routes and destinations.
5. Traffic rules and penalties should function as expected.
6. Game progress, earnings, and completed jobs should be saved correctly.
7. The application should run smoothly without crashes during gameplay.

Approvals: –

1. Project Sponsor Approval:- Confirms business objectives are met.
2. Product Owner Approval:- Validates requirements and features.
3. QA / Testing Team Approval:- Confirms application meets quality standards.
4. Development Team Approval:- Confirms implementation is complete.
5. UAT (User Acceptance Testing) Approval:- Validates end-user requirements.
6. Release Manager Approval:- Authorizes the game release.
7. Stakeholder Sign-off:- Final confirmation to deploy the application.

Conclusion: –

Euro Truck Simulator 2 is a well-designed truck simulation application that provides a realistic driving and logistics experience across Europe, including Germany (BRD). The application meets its business and functional requirements by offering detailed maps, vehicle customization, and reliable navigation systems. Non-functional aspects such as performance, usability, and stability are also effectively addressed. Through proper testing and acceptance criteria, ETS2 ensures quality gameplay and user satisfaction. Overall, the application serves both entertainment and learning purposes, making it suitable for simulation and software testing studies.