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# **Sprint 7**

Ryhmä: Eetu O & Oleg I

**Scrum master: Oleg I**

# Trello

Average käytetty aika: n. 17h

The screenshot displays a Trello board with four columns, each containing task cards. The background image shows a winding road through a dense green forest.

- Doing / On Progress**
  - Heuristic Evaluation for Usability
    - 🕒 15 Apr - 3 May
    - 👤 1
    - 📝 1/3
  - (3sp) As a UX reviewer, I want to evaluate the user interface using Nielsen's heuristics so that we can identify and fix usability issues before the final release.
    - 🕒 15 Apr - 3 May
  - + Add a card
- In Review**
  - + Add a card
- Done User Stories**
  - ✅ (4sp) As a user, I want to ensure that all core features work correctly so that I can use the application reliably without encountering major bugs.
    - 🕒 15 Apr - 29 Apr
  - + Add a card
- Done**
  - Sprint 7 Requirements**  
AS-0004
  - During Sprint 6, the team focused on project refactoring and applied various tools such as Checkstyle and SpotBugs to improve code quality. Additionally, SonarQube and SonarScanner were used to analyze the code from a quality assurance perspective. From a development standpoint, the project is now ready to be tested and evaluated by customers through User Acceptance Testing (UAT).
  - Your Tasks (User Testing, Performance and Reliability test)**
    1. **Update the User Acceptance Test (UAT):** preliminary plan that you created as a task in Sprint 6, incorporating the new requirements from Sprint 7.
    2. **Update Testplan and Jira:** reflect the Sprint 7 product backlog and sprint backlog.
    3. **Create 30 test cases** based on the initial product requirements (product backlog). Use a sample test case template as the work's guide in Jira.
      - The complexity of each test case will determine the points awarded for this sprint.
        - For example, a basic test case such as verifying login and password functionality earns 3-5 points, while a more complex scenario, such as logging a hotel room with complex bookings can earn up to 8 points.
        - The difficulty level of your test cases will directly impact your sprint points.
    4. **Act as customer representatives:** In this sprint, each team member must take on the role of a customer representative and conduct User Acceptance Testing (UAT) using the group-designed test cases.
    5. **Document test results in an Excel sheet:** Each member must create an Excel spreadsheet and record the results of test case executions.
      - **Note:** Documenting bugs is considered a bonus for the test engineer.
    6. **Submit a written report at the end of Sprint 7:** which must include:
      - A list of the test cases.
      - A results table summarizing test outcomes for each team member (you shared table is sufficient).
      - An evaluation of the quality and importance of any discovered errors or bugs.
      - **Remember** to add the report in the CatchUp Docs/Document folder.
    7. **Fix all identified errors** and prepare the project for the final sprint (Sprint 8).
  - ✅ UAT Testing for Core Functionality
    - 🕒 15 Apr - 29 Apr
    - 👤 3
    - 📝 2/4
  - ✅ CheckStyle-IDEA and SpotBugs
    - 🕒 17 Apr
  - ✅ Sonar in Jenkins pipeline
  - ✅ Delete functionality (FE + BE)
  - + Add a card

# Test Cases

Testi#	Testin nimi	Kuvaus
1	Oston kirjaaminen	Ostotapahtuman kirjaaminen järjestelmään onnistuneesti.
2	Myyntin kirjaaminen	Myyntitapahtuman kirjaaminen järjestelmään onnistuneesti.
3	Tuotteen lisääminen ja muokkaaminen	Tuotteen lisääminen ja sen muokkaaminen tietokantaan.
4	Asiakkaan lisääminen ja muokkaaminen	Asiakkaan tietojen luominen ja päivittäminen.
5	Toimittajan lisääminen ja muokkaaminen	Toimittajatietojen luominen ja muokkaaminen.
6	Rekisteröityminen, kirjautuminen ja uloskirjautuminen	Käyttäjän rekisteröitymis-, kirjautumis- ja uloskirjautumisprosessit.
7	Ohjelman kielituki	Ohjelman kyky vaihtaa kieliä kaikissa sovelluksen vaiheissa.
8	Raportin CSV-vienti (export)	Raporttien vienti CSV-muodossa.

9	CSV-tiedoston lataus (import)	CSV-tiedoston onnistunut lataus.
10	Tietokannan lokalisointi	Tuotetietojen automaattinen kääntäminen kieliasetuksen mukaan.



# Test Results

77					
78					
79	Test case for IMS-users				
80					
81	Name	4. Adding a new customer and updating their value			
82	Design Date	25.4.2025			
83	Preconditions	User is logged in			
84	Executed by:	Eetu Oinonen			
85	Execution date:	28.4.2025			
86					
87					
88	Step	Action	Expected System Response	Pass / Fail	Comment
89		Press "Add" in the Dashboard	Opens "Add Entity" form	pass	
90		Press "Add" in the "Add Entity" -form	Opens "Validation Error" -window	pass	
91		without filling the form			
92		Choose customer from the type-selection	Changes title to "Add New Customer"	pass	
93		Fill the form with invalid email and press "Add"	Opens "Invalid Email" -window	pass	
94		Fill the form with invalid phone and press "Add"	Opens "Invalid Phone Number" -window	pass	
95		Choose customer from the type-selection,	"Entity added successfully!"	pass	
96		fill info and press "Add"	and closes the form		
97		Press "Customers" in the Dashboard	Redirects user to Customer page	pass	
98		Click a customer and press "Edit"	Opens entity editing window	pass	
99		Change info and press "Save"	"Customer details updated successfully!"	pass	
100					
101					
102	Post-condition	New customer was created and values updated			
103					
104					

Testi#	Eetu Oinonen	Oleg Ivantsov	Kommentit
1	pass	pass	Successful
2	pass	pass	Successful
3	fail	fail	"Should show a validation error if required field is empty"
4	pass	pass	Successful
5	pass	pass	Successful
6	pass	pass	Successful
7	fail	fail	"Language changes but redirects to "Home" - page" and "Doesn't always change language of window names"
8	pass	pass	Successful
9	pass	pass	Successful
10	pass	pass	Successful

# Test Case Bug Evaluations

Virhe	Vakavuus	Tärkeys	Kuvaus
Validation error puuttuu pakollisessa kentässä (Testi #3)	Keskitaso	Korkea	Jos pakollista kenttää ei täytetä, sovellus ei näytä virheilmoitusta. Tämä voi johtaa siihen, että käyttäjä luulee tallentaneensa tietoa oikein, mikä aiheuttaa virheellisiä tietoja järjestelmään. Pitää korjata.
Kielenvaihto ohjaa aina "Home"-sivulle (Testi #7)	Matala	Keskitaso	Kun käyttäjä vaihtaa kieltä, järjestelmä ohjaa automaattisesti etusivulle, mikä katkaisee käyttäjän työnkulun. Ei kriittinen virhe, mutta heikentää käyttökokemusta ja voi turhauttaa käyttäjiä.
Ikkunoiden nimien kieli ei vaihdu aina (Testi #7)	Keskitaso	Korkea	Käyttöliittymä jää osittain väärälle kielelle, mikä voi hämmentää käyttäjiä ja aiheuttaa epäselvyyksiä, etenkin monikielisille käyttäjille. Tämä voi heikentää tuotteen ammattimaisuutta ja käyttökelpoisuutta.

# Heuristic Evaluation

#	Heuristic	Description of the Issue	Severity	Suggested Improvement
1	H1-1: Simple & natural dialog	Technical column names like 'ORDER ID' and 'SUPPLIER ID' are used instead of user-friendly terms.	2	Change to 'Order Number', 'Supplier', and 'Order Status'.

2	H1-2: Speak the users' language	All key elements are correctly translated based on selected language (e.g., Finnish).	0	No changes needed.
3	H1-3: Minimize users' memory load	Generic error messages and missing product/customer/supplier names in transactions.	3	Show transaction types/IDs and display names instead of just IDs.
4	H1-4: Consistency	Inconsistent use of capital letters in column headers on the Sales Orders page.	2	Use consistent Title Case across headers and standardize style guide.
5	H1-5: Feedback	Feedback is provided, but lacks specifics (e.g., generic 'Message' title, unclear deletion prompt).	2	Include product name in confirmations and improve message titles.

6	H1-6: Clearly marked exits	No 'Back to Login' option on the registration page.	2	Add a 'Back to Login' button/link.
7	H1-7: Shortcuts	No keyboard shortcuts for common tasks, slowing down experienced users.	2	Implement shortcuts (e.g., Ctrl+N to add, Ctrl+1 for navigation).
8	H1-8: Precise & constructive error messages	Generic error messages when trying to delete linked products.	3	Specify transactions and suggest next steps; provide links if possible.
9	H1-9: Prevent errors	Deletion allowed even when product is linked; validation happens post-submission only.	3	Block deletion or provide pre-deletion warnings; use real-time validation.

10	H1-10: Help and documentation	Basic Home page help only; lacks detailed instructions or tooltips.	2	Add help links, tooltips, and a 'Help' section.
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# GitHub

