

USER STORY BACKLOG

Minimum requirement 1: The system must allow defining products: sizes, colors, finishes, grades etc

1. As the production team, I want to be able to set the specifications of bikes in terms of size, color, finish and grade, so that the customer has a specific scope of bike options to choose from. [Story points: 5 Priority: High Risk: Medium]
 - 1.1. As the production team, I want to add the color of the bicycles, so that customers can the color of the bicycles. [Story points: 2 Priority: High Risk: Medium]
 - 1.2. As the production team, I want to add the quantity of certain coloured bicycles, so that customers know the amount of a certain colored bicycles that are available. [Story points: 2 Priority: High Risk: Medium]
 - 1.3. As the production team, I want to add a list of bicycles parts in the manufacturing employees dashboard, so that the manufacturing worker can know the list of bicycles parts. [Story points: 3 Priority: High Risk:Medium]
 - 1.4. As the production team, I want to add the color of listed bicycle parts, so that the manufacturing worker can know the color of bicycle parts. [Story points: 2 Priority: High Risk: Medium]

Minimum requirement 2: The system must allow creating, editing, and tracking material lists, which define what other parts are needed to assemble/create a product. A part itself may have its own material list.

2. As the production team, I want to create, edit and track the list of necessary bicycle materials, so that I know what materials I need to create a bicycle or a part of a bicycle. [Story points: 8 Priority: High Risk: High]

Minimum requirement 3: The system must allow tracking inventory, which contains the numbers of things in the plants available and necessary to create parts and products.

3. As an inventory person, I want to add the available quantity of each listed part in the manufacturing worker dashboard, so that the manufacturing worker can know the quantity available of certain parts. [Story points: 3 Priority: Medium Risk: Low]
4. As a bicycle manufacturing worker, I want to know what parts are needed to make a bicycle, so that I can assemble a bicycle without any confusion. [Story points: 5 Priority: High Risk: Medium]

5. As an inventory person, I want to know the backlog of parts order, so that I can have a clear idea of how many parts will be available in future and what are the pending tasks. [Story points: 5 Priority: Medium Risk: Low]
6. As an inventory person, I want to know the deadline for backlog parts order, so that I know the maximum time that is allowed to wait for certain parts. [Story points: 3 Priority: Medium Risk: Low]
7. As a bicycle manufacturing worker, I want to know the deadline for backlog parts order, so that I can efficiently organize bicycle productions. [Story points: 3 Priority: Medium Risk: Low]
8. As a manufacturing worker, I want to be able to see an up-to-date list of all the available materials, so that I can see if we are low on material and if we would need to buy more. [Story points: 5 Priority: High Risk: Medium]
9. As a manufacturer worker, I want to know when the next bicycle parts will be available if there are none in stock, so that I know when the purchase can be made. [Story points: 5 Priority: Medium Risk: Low]
10. As an ERP user, I want to know the amount of items available in inventory so that I can have a minimum and maximum ordering level. [Story points: 5 Priority: Medium Risk: Low]

Minimum requirement 4: The system must allow defining, ordering, and tracking raw material and final products. Possibly, it should allow optimising production (use of machines, time of use, etc.).

11. As the production team, I want to be able to define and track raw material and final products, so that I can make a list of items I need to build bicycles and keep track of finished bicycles. [Story points: 8 Priority: High Risk: Medium]
12. As the production team, I want to be able to preorder bicycle parts if there is no stock available, so that I can receive the parts as soon as possible. [Story points: 5 Priority: Medium Risk: Medium]
13. As an inventory person, I want to add the amount of completed bicycles, so that customers can know how many bicycles are available. [Story points: 3 Priority: High Risk: High]

Minimum requirement 5: The system must allow following all and any cost: Accounts Payable, Accounts Receivable, and Cost/Charge Number.

14. As an accountant, I want to be able to track payments to others and payments received from others, so that I can produce a financial report. [Story points: 5 Priority: Medium Risk: Low]

Minimum requirement 6: The system can connect to production machinery via different communication modes, including but not limited to Web services, COM ports, and CSV/XML format files.

15. As a manufacturing worker, I want to be able to see the status of all the manufacturing machines from the ERP Interface, so that I don't have to check each machine individually. [Story points: 5 Priority: Medium Risk: Low]

Minimum requirement 7: The system should track quality data. It needs to support manually triggered rules and-or system generated rules. [Story points: 5 Priority: Medium Risk: Low]*

16. As an accountant, I want to receive confirmation email for completed order payment, so that I can be sure my payment was received by the recipient.
17. As an accountant, I want to receive confirmation email for completed purchase payment, so that I can be sure my payment was received by the bicycle manufacturing company. [barcode or smthg similar]

*Note: Both user stories (#16 and #17) combined will be worth 5 story points.

Minimum requirement 8: The system should allow only registered users to access the information, possible with different accesses for different roles.

18. As an IT person, I want to be able to create accounts for all the different types of users, so that each department has the correct type of access to the ERP system. [Story points: 5 Priority: High Risk: High]
19. As an ERP user, I want to login securely, so that I can access the appropriate interface without putting my credentials in jeopardy. [Story points: 3 Priority: High Risk: Low]

Minimum requirement 9: The system must generate logs and audit trails for the sake of debugging and accountability.

20. As an IT person, I want to see logs of the system, so that I can monitor activity in the system. [Story points: 5 Priority: Medium Risk: Low]
21. As an IT person, I want to see log files in a table format, so that various data in the log can be easily analyzed. [Story points: 3 Priority: Low Risk: Low]

Minimum requirement 10: The system can generate documents, like reports, in different formats, including MS Excel spreadsheets and Adobe PDF. It can also link to some Cloud storage service.

- 22. As an HR user, I want to see monthly and yearly sales reports, so that I can plan monthly sales and yearly sales reports. [Story points: 5 Priority: Medium Risk: Medium]
- 23. As a HR user, I want to export monthly and yearly reports in PDF or MS Excel format, so that reports can be easily analyzed and printed. [Story points: 3 Priority: Low Risk: Low]

Minimum requirement 11: The system should follow “good” UI principles, like help, tooltips, etc.

- 24. As an ERP user, I want to be able to receive help if I need specific information so I can make a better purchase. [Story points: 3 Priority: Low Risk: Low]

Minimum requirement 12: The system should take less than 5 seconds to load (on localhost), and no more than 10 seconds in normal network condition (on the cloud).

N/A

Minimum requirement 13: Sensitive data must be encrypted (credential details, personal information), so in case of a data leak, the leaked information can not be traced back to any identity or user.

N/A

Minimum requirement 14:

N/A

Minimum requirement 15:

N/A

Minimum requirement 16:

N/A

Minimum requirement 17:

- 25. As a ERP user, I want to receive email or text messages for the bicycle production disruption, so that I can know the different hindrances of the production team and take necessary actions. [Story points: 3 Priority: Low Risk: Low]

Minimum requirement 18:

N/A

Note: All minimum requirements that have an “N/A” means that the requirement is system level. Thus, they do not require user stories.