

## Dependency JSON document

```
{  
  "R1_LogAIUse": {  
    "depends_on": [],  
    "enables": [  
      "R4_StatusOnPrompts",  
      "R5_ComplianceNotify",  
      "R6_ComplianceExplain",  
      "R7_AddDescription",  
      "R8_AIDeclaration",  
      "R10_BarChart",  
      "R11_TimelineChart",  
      "R12_BulkLogging",  
      "R13_GoogleIndicator",  
      "R14_PromptFeedbackMode",  
      "R15_AIToolAccountIntegration",  
      "R19_CategorizePrompts"  
    ],  
    "conflicts_with": [],  
    "refines": [],  
    "duplicates": [],  
    "overlap": []  
  },  
  
  "R2_ViewNTNUGuidelines": {  
    "depends_on": [],  
    "enables": [  

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"refines": [],
"duPLICATES": [],
"overlap": ["R23_CustomWidgets"]
},  
  
"R4_StatusOnPrompts": {
"depends_on": ["R1_LogAIUse", "R2_ViewNTNUGuidelines"],
"enables": ["R5_ComplianceNotify", "R6_ComplianceExplain"],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": ["R5_ComplianceNotify"]
},  
  
"R5_ComplianceNotify": {
"depends_on": ["R4_StatusOnPrompts"],
"enables": [],
"conflicts_with": [],
"refines": ["R4_StatusOnPrompts"],
"duPLICATES": [],
"overlap": []
},  
  
"R6_ComplianceExplain": {
"depends_on": ["R4_StatusOnPrompts"],
"enables": ["R8_AIDeclaration"],
"conflicts_with": [],
"refines": ["R5_ComplianceNotify"],
"duPLICATES": [],
"overlap": []
},  
  
"R7_AddDescription": {
"depends_on": ["R1_LogAIUse"],
"enables": ["R8_AIDeclaration"],
"conflicts_with": [],
"refines": ["R1_LogAIUse"],
"duPLICATES": [],
"overlap": []
},  
  
"R8_AIDeclaration": {
"depends_on": ["R1_LogAIUse", "R6_ComplianceExplain", "R7_AddDescription"],
"enables": [],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
}
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},  
  
"R9_HideDeletePrompts": {  
    "depends_on": ["R1_LogAIUse"],  
    "enables": [],  
    "conflicts_with": ["R18_TeacherViewTenantAI"],  
    "refines": [],  
    "duplicates": [],  
    "overlap": []  
},  
  
"R10_BarChart": {  
    "depends_on": ["R1_LogAIUse", "R19_CategorizePrompts"],  
    "enables": [],  

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"depends_on": ["R1_LogAIUse"],
"enables": [],
"conflicts_with": [],
"refines": ["R13_GoogleIndicator"],
"duPLICATES": [],
"overlap": []
},  
  
"R15_AIToolAccountIntegration": {
"depends_on": ["R1_LogAIUse"],
"enables": ["R12_BulkLogging"],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R16_TeacherTenant": {
"depends_on": [],
"enables": ["R17_TeacherCSVImport", "R18_TeacherViewTenantAI"],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R17_TeacherCSVImport": {
"depends_on": ["R16_TeacherTenant"],
"enables": [],
"conflicts_with": [],
"refines": ["R16_TeacherTenant"],
"duPLICATES": [],
"overlap": []
},  
  
"R18_TeacherViewTenantAI": {
"depends_on": ["R16_TeacherTenant"],
"enables": [],
"conflicts_with": ["R9_HideDeletePrompts"],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R19_CategorizePrompts": {
"depends_on": ["R1_LogAIUse"],
"enables": ["R10_BarChart", "R11_TimelineChart"],
"conflicts_with": []
}
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"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R20_AdminUserManagement": {
"depends_on": [],
"enables": ["R21_AdminAnalytics", "R22_AdminReports",
"R23_AdminComplianceCharts"],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R21_AdminAnalytics": {
"depends_on": ["R1_LogAIUse"],
"enables": [],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R22_AdminReports": {
"depends_on": ["R1_LogAIUse", "R21_AdminAnalytics"],
"enables": [],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R23_AdminComplianceCharts": {
"depends_on": ["R6_ComplianceExplain", "R1_LogAIUse"],
"enables": [],
"conflicts_with": [],
"refines": [],
"duPLICATES": [],
"overlap": []
},  
  
"R24_AdminEthicalGuidelines": {
"depends_on": [],
"enables": ["R4_StatusOnPrompts", "R5_ComplianceNotify", "R6_ComplianceExplain"],
"conflicts_with": [],
"refines": [],
"duPLICATES": []
}
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"overlap": []  
},  
  
"R25_AdminUserFeedback": {  
    "depends_on": [],  
    "enables": [],  
    "conflicts_with": [],  
    "refines": [],  
    "duplicates": [],  
    "overlap": []  
},  
  
"R26_Security": {  
    "depends_on": [],  
    "enables": ["R1_LogAIUse", "R16_TeacherTenant", "R20_AdminUserManagement"],  
    "conflicts_with": [],  
    "refines": [],  
    "duplicates": [],  
    "overlap": []  
},  
  
"R27_NeutralColors": {  
    "depends_on": ["R3_CustomizableDashboard"],  
    "enables": [],  
    "conflicts_with": [],  
    "refines": ["R3_CustomizableDashboard"],  
    "duplicates": [],  
    "overlap": []  
},  
  
"R28_ReflectionVisualDistinctness": {  
    "depends_on": ["R3_CustomizableDashboard"],  
    "enables": [],  
    "conflicts_with": [],  
    "refines": [],  
    "duplicates": [],  
    "overlap": []  
},  
  
"R23_CustomWidgets": {  
    "depends_on": ["R3_CustomizableDashboard"],  
    "enables": [],  
    "conflicts_with": [],  
    "refines": ["R3_CustomizableDashboard"],  
    "duplicates": [],  
    "overlap": ["R3_CustomizableDashboard"]  
},
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"R24_Heatmap": {  
  "depends_on": ["R1_LogAIUse", "R11_TimelineChart"],  
  "enables": [],  
  "conflicts_with": [],  
  "refines": ["R3_CustomizableDashboard"],  
  "duplicates": [],  
  "overlap": ["R11_TimelineChart"]  
}  
}
```

## Dependencies effect on implementation order

You are not able to implement and test features / requirements that have dependencies to other features / requirements that have not been implemented yet. You should therefore start by implementing foundational features / requirements that do not have any dependencies, but others are dependent on. These are also the most important features for a prototype as a proof of concept or user testing. The next features to be implemented should be chosen iteratively by the same criteria as more and more features are implemented. If features overlap, it could be preferable to prioritize other features, as they could be less necessary compared to features that do not overlap with any features. In the end however, choosing features from a backlog should be prioritized by how they increase end user usability.