Branch & Bound

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| Requirement #: GA1-STGR1 | Requirement Type: Functional | | Use Case #: |
| **Description:** Educate user on the history of Branch & Bound | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate the history of Branch & Bound into the application | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR2 | Requirement Type: Functional | | Use Case #: |
| **Description:** Demonstrate Branch & Bound in context | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate a demonstration that shows Branch & Bound in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR3 | Requirement Type: Functional | | Use Case #: |
| **Description:** Show pseudo code for Branch & Bound | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully show pseudo code for Branch & Bound alongside an algorithm demonstration | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR4 | Requirement Type: Functional | | Use Case #: |
| **Description:** Interactive game or activity to demonstrate Branch & Bound | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** The application will integrate an activity or game to demonstrate Branch & Bound in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

Divide & Conquer

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| Requirement #: GA1-STGR5 | Requirement Type: Functional | | Use Case #: |
| **Description:** Educate user on the history of Divide & Conquer | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate the history of Divide & Conquer into the application | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR6 | Requirement Type: Functional | | Use Case #: |
| **Description:** Demonstrate Divide & Conquer in context | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate a demonstration that shows Divide & Conquer in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR7 | Requirement Type: Functional | | Use Case #: |
| **Description:** Show pseudo code for Divide & Conquer | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully show pseudo code for Divide & Conquer alongside an algorithm demonstration | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR8 | Requirement Type: Functional | | Use Case #: |
| **Description:** Interactive game or activity to demonstrate Divide & Conquer | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** The application will integrate an activity or game to demonstrate Divide & Conquer in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

Merging

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| Requirement #: GA1-STGR9 | Requirement Type: Functional | | Use Case #: |
| **Description:** Educate user on the history of Merging | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate the history of Merging into the application | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR10 | Requirement Type: Functional | | Use Case #: |
| **Description:** Demonstrate Merging in context | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate a demonstration that shows Merging in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR11 | Requirement Type: Functional | | Use Case #: |
| **Description:** Show pseudo code for Merging | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully show pseudo code for Merging alongside an algorithm demonstration | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR12 | Requirement Type: Functional | | Use Case #: |
| **Description:** Interactive game or activity to demonstrate Merging | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** The application will integrate an activity or game to demonstrate Merging in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

Shortest Job First

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| Requirement #: GA1-STGR13 | Requirement Type: Functional | | Use Case #: |
| **Description:** Educate user on the history of Shortest Job First | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate the history of Shortest Job First into the application | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR14 | Requirement Type: Functional | | Use Case #: |
| **Description:** Demonstrate Shortest Job First in context | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate a demonstration that shows Shortest Job First in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR15 | Requirement Type: Functional | | Use Case #: |
| **Description:** Show pseudo code for Shortest Job First | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully show pseudo code for Shortest Job First alongside an algorithm demonstration | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR16 | Requirement Type: Functional | | Use Case #: |
| **Description:** Interactive game or activity to demonstrate Shortest Job First | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** The application will integrate an activity or game to demonstrate Shortest Job First in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

A Star

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| Requirement #: GA1-STGR17 | Requirement Type: Functional | | Use Case #: |
| **Description:** Educate user on the history of A Star | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate the history of A Star into the application | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR18 | Requirement Type: Functional | | Use Case #: |
| **Description:** Demonstrate A Star in context | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully integrate a demonstration that shows A Star in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR19 | Requirement Type: Functional | | Use Case #: |
| **Description:** Show pseudo code for A Star | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** Successfully show pseudo code for A Star alongside an algorithm demonstration | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |

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| Requirement #: GA1-STGR20 | Requirement Type: Functional | | Use Case #: |
| **Description:** Interactive game or activity to demonstrate A Star | | | |
| **Rationale:** Integral to the overall project objective | | | |
| **Fit Criterion:** The application will integrate an activity or game to demonstrate A Star in context | | | |
| **Dependencies:** GA1-G1 to GA1-Gn | | **Rank of Importance:** Stretch | |