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# Updated and Expanded Description of the Problem to be Solved

# Background Information and Research

-Analysis of Initial Brief （what is Hyper-heuristics）

- Research on Existing Systems

- market research

-results of technical research into suitable platforms, tools, technologies, algorithms, data structures, etc.

# Requirements Speciﬁcation

Do some surveys e.g. (The Questionnaire)

-Functional Requirements:

-Non- functional Requirements:

\*use some diagram (use-case, dataflow, sequence….)

# Initial Design

Key implementation

Conceptual Design

software process model?( Prototyping, Waterfall; Iterative development; Component-based software engineering)

Technical Design

- UML Diagrams

- User Interface

# Discussion of Problems

Technical Issues :

Non-technical problems: such as Management Issues :

# Time Plan

PERT Diagram

Normal Gantt Chart

# Appendix



Time plan

Assign our work and role

Research current solutions

Write Requirement Specification

Write design document

Prototype user interface

Write prototype GUI implement

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| --- | --- | --- | --- | --- |
| Tasks | Predecessor | Duration | Exective | Notes |
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