Appendix

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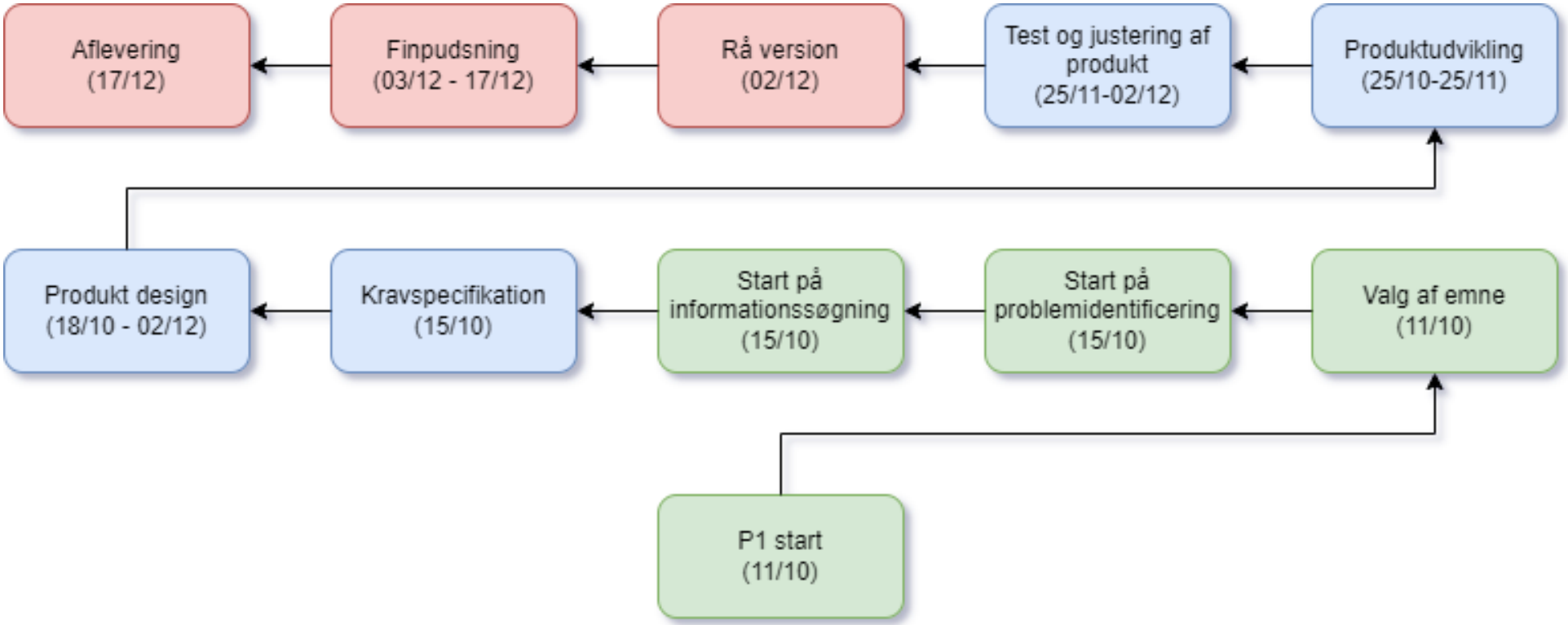
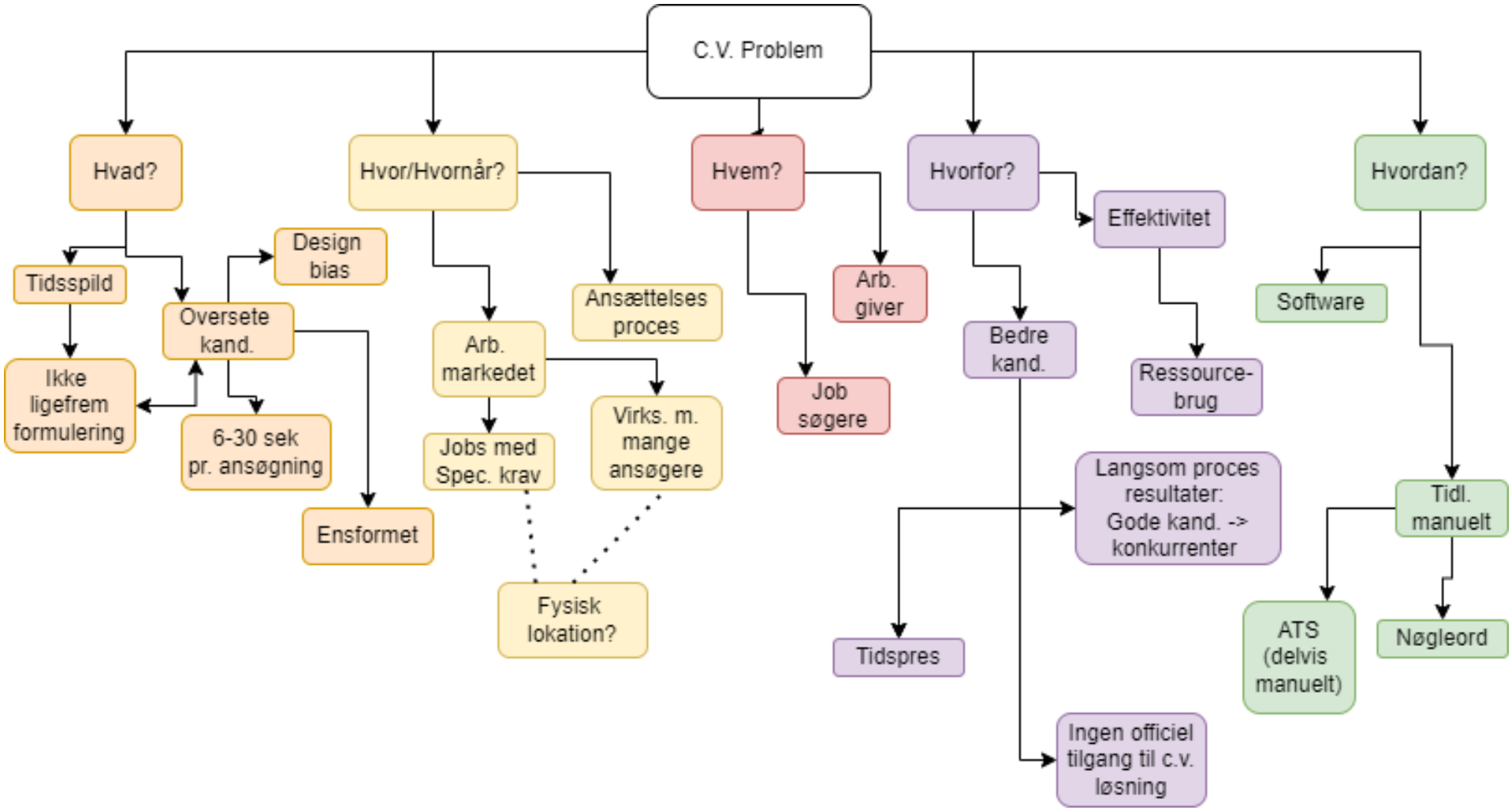
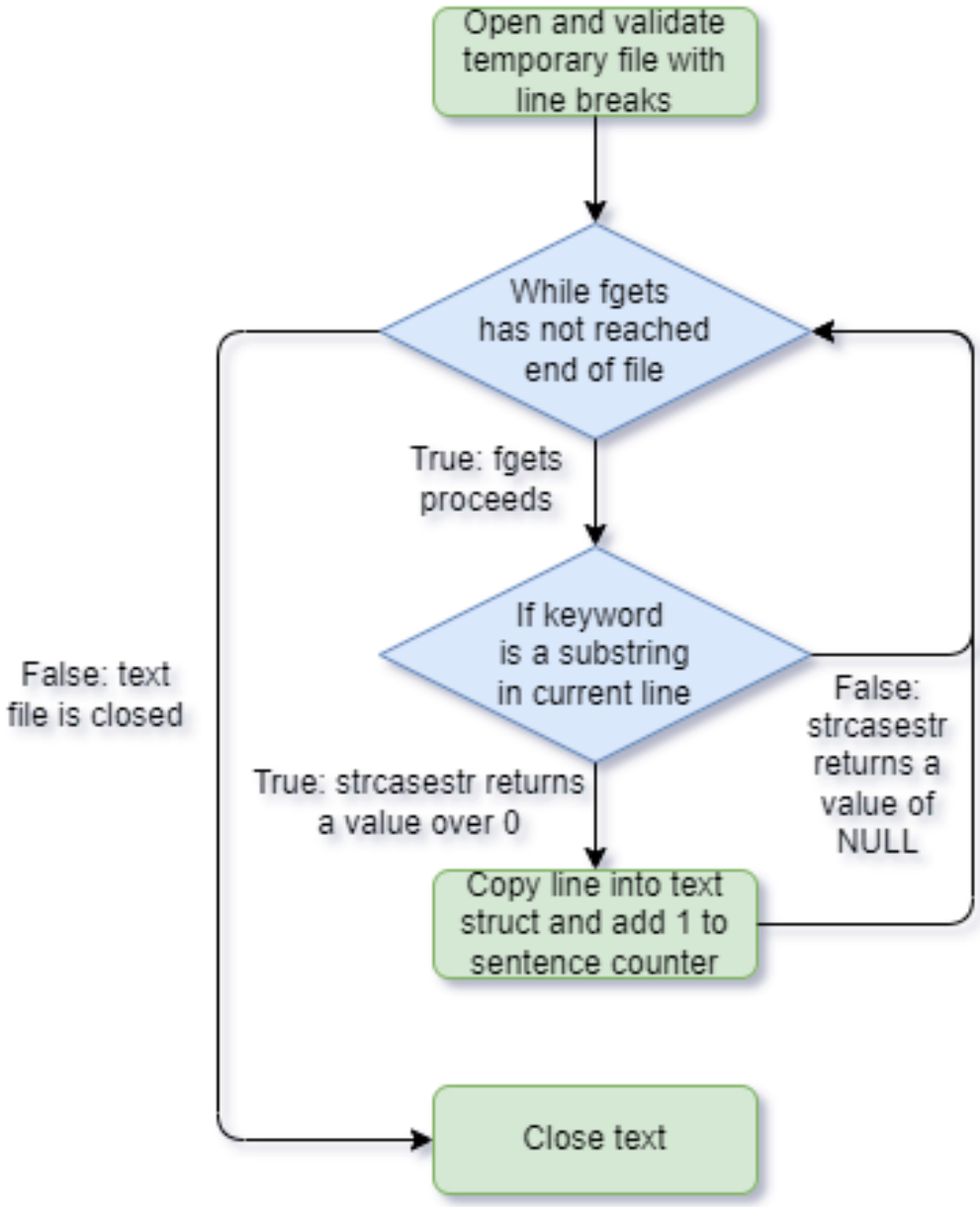
Backcasting



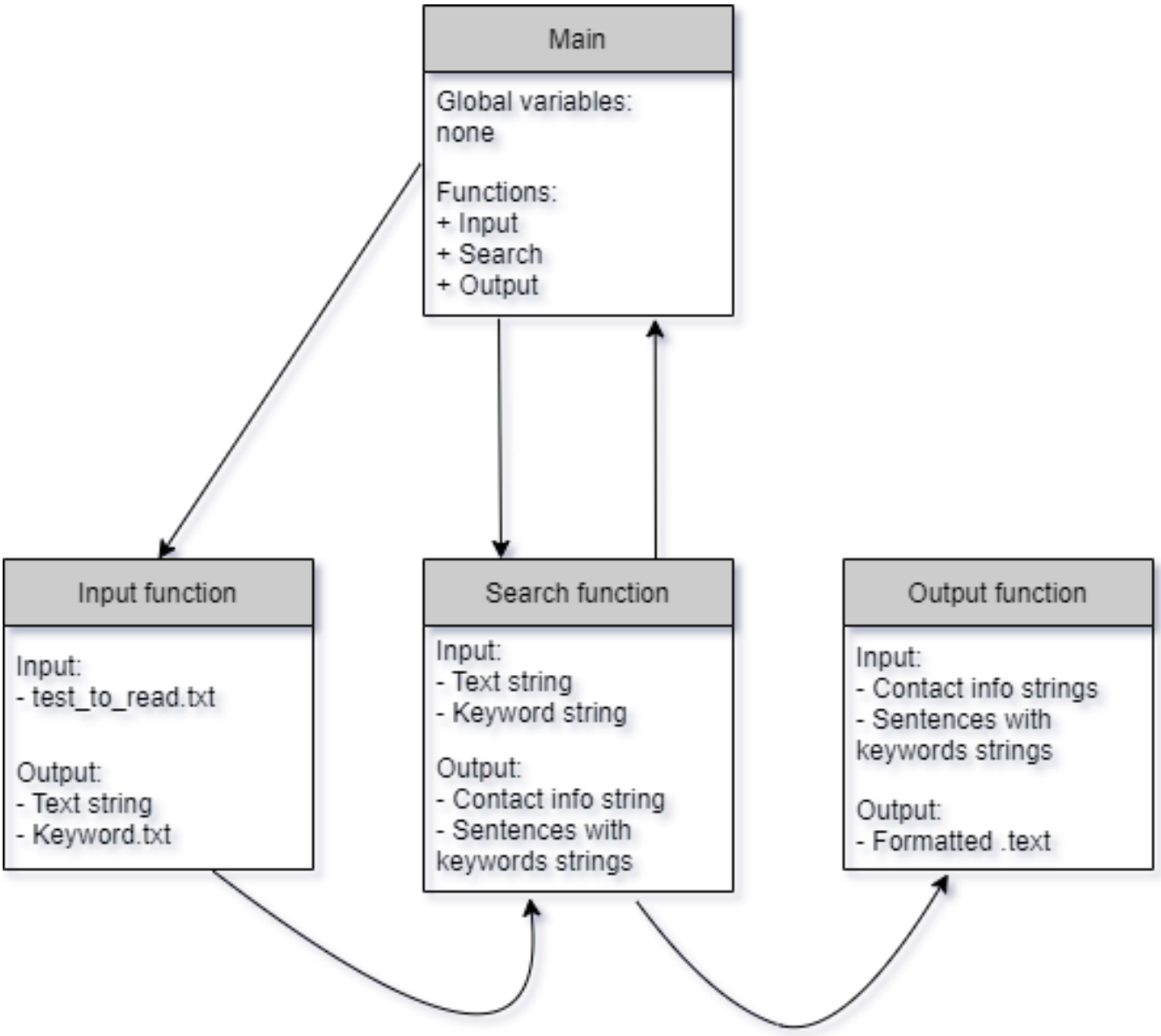
Brainstorm


C.V. Problem
Hvad?
Hvor/Hvornår?
Hvem?
Hvorfor?
Hvordan?
Tidsspild
Design bias
Oversete kand.
Ikke ligefrem formulering
6-30 sek pr. ansøgning
Ensformet
Arb. markedet
Ansættelses proces
Jobs med Spec. krav
Virks. m. mange ansøgere
Fysisk lokation?
Arb. giver
Job søgere
Effektivitet
Bedre kand.
Ressource-brug
Langsom proces resultater: Gode kand. -> konkurrenter
Tidspres
Ingen officiel tilgang til c.v. løsning
Software
Tidl. manuelt
ATS (delvis manuelt)
Nøgleord

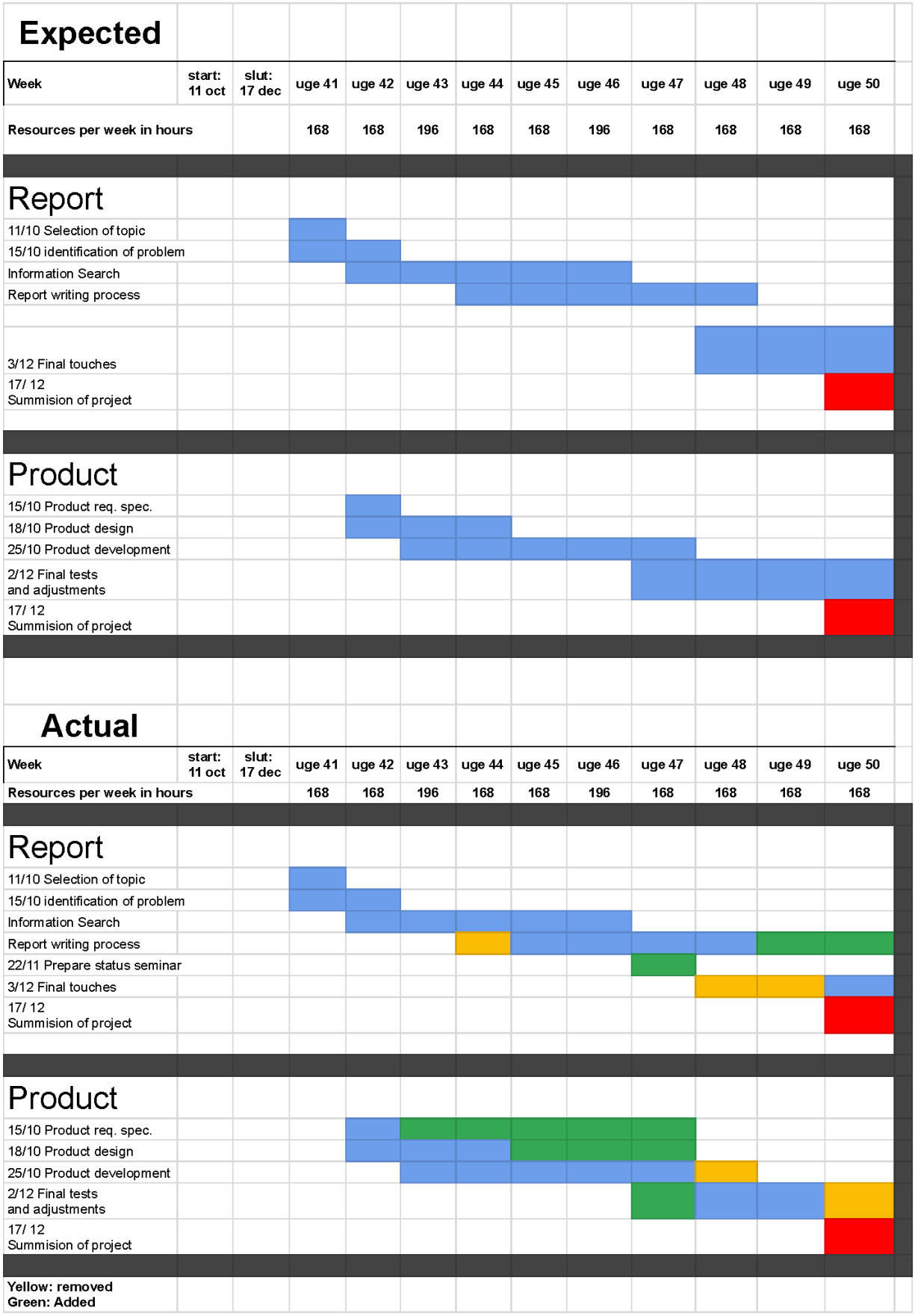
Flowchart


Open and validate temporary file with line breaks
While fgets has not reached end of file
True: fgets proceeds
If keyword is a substring in current line
False: text file is closed
False: strcasestr returns a value of NULL
True: strcasestr returns a value over 0
Copy line into text struct and add 1 to sentence counter
Close text

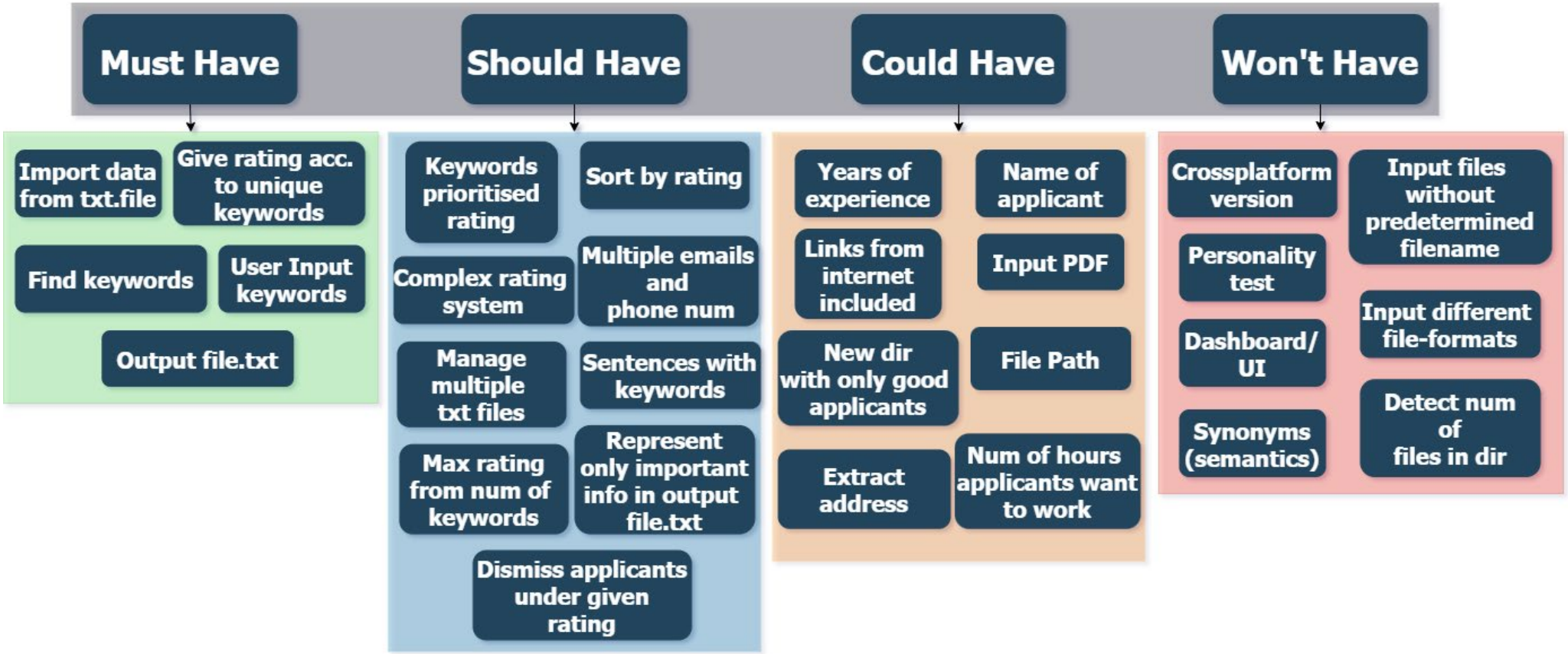
Flow diagram



Gantt diagram



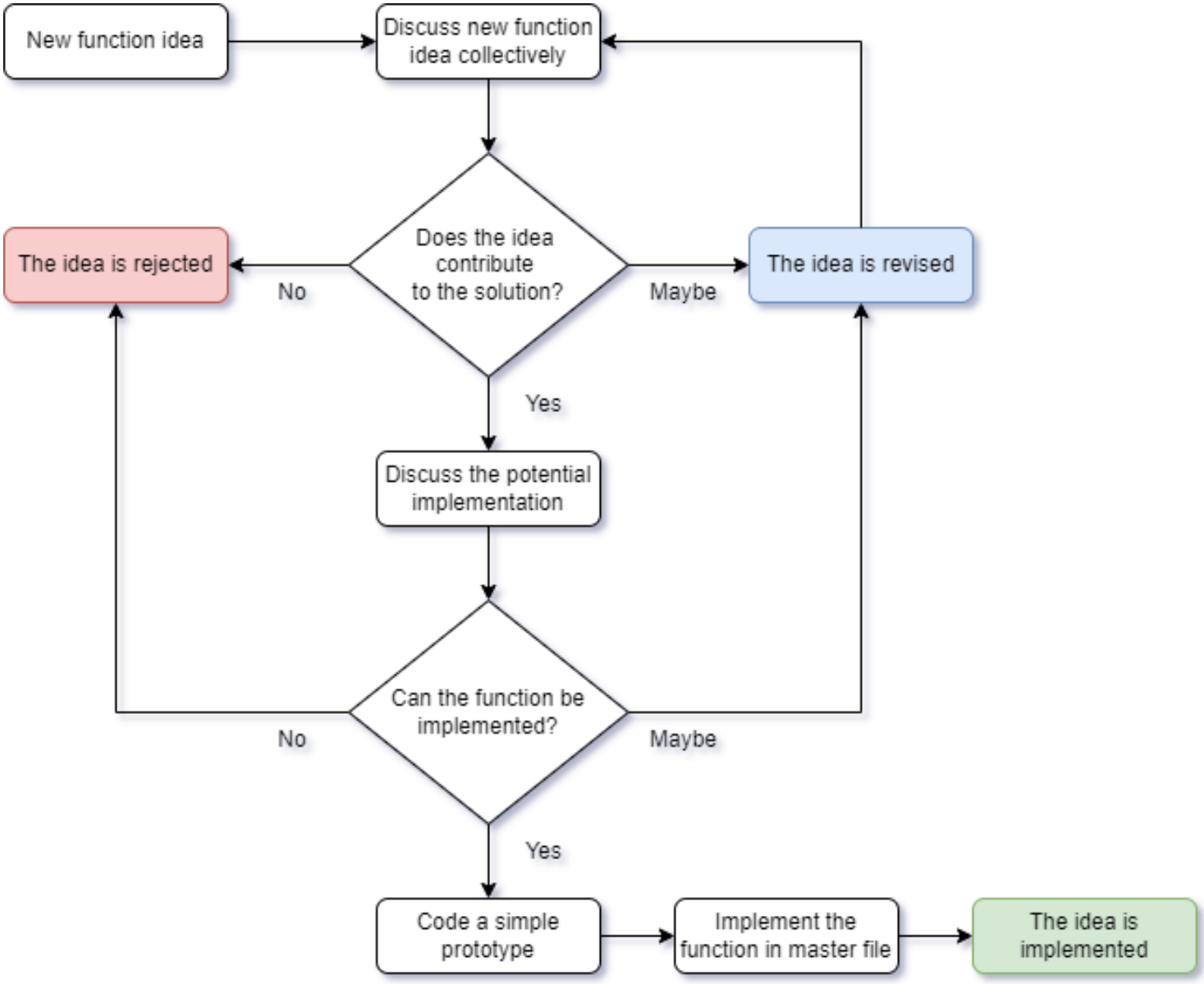
MoSCoW model



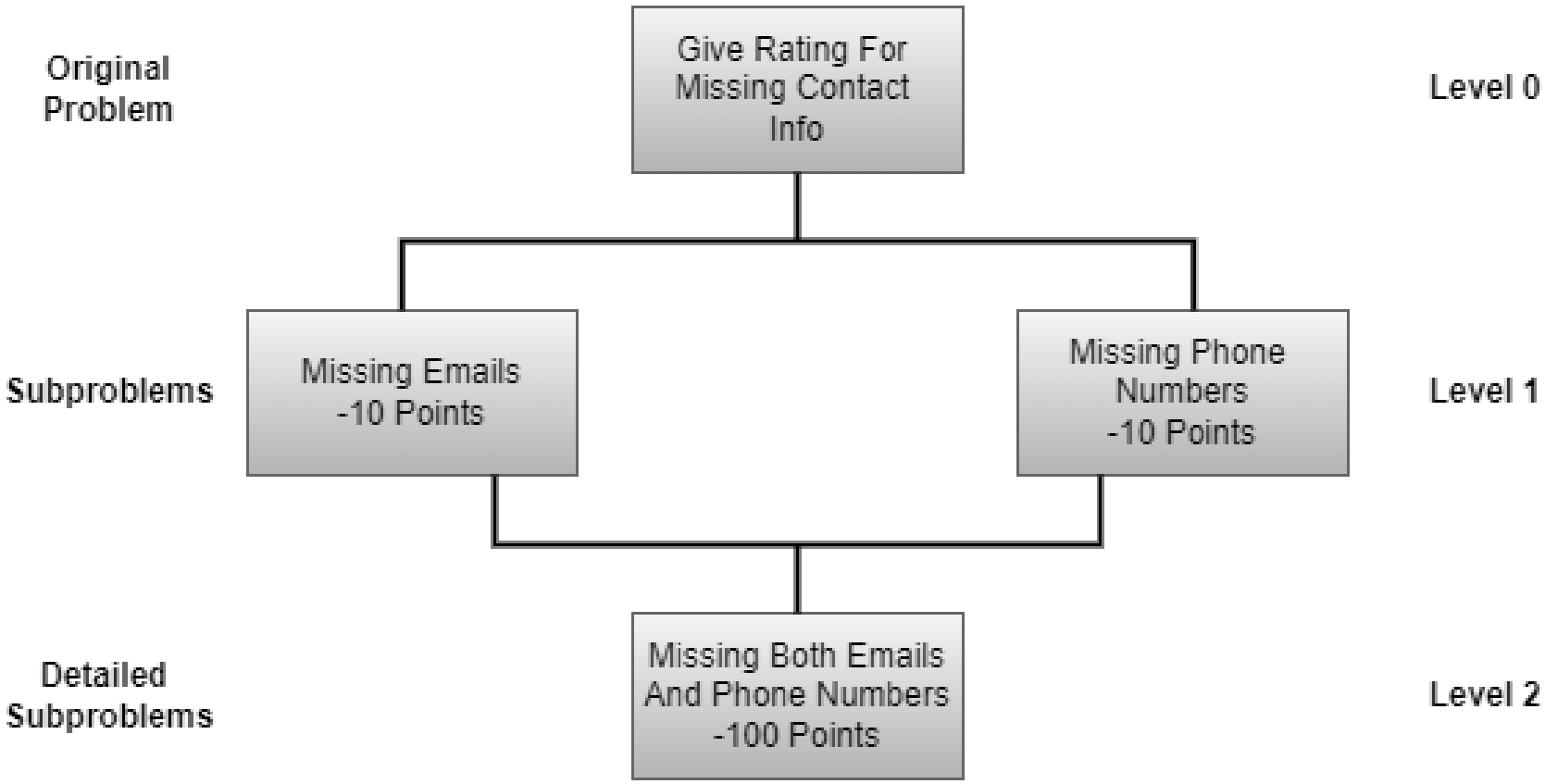
Pseudo code

```
readFileKeywords{
  keywords = keywords.txt -> open text file and validate
  number of keywords = 1 -> start with 1 because there is no space before the first word

  ----------This part is to count the number of keywords to be able to make an array for them----------
  while ((char = getc(keywords)) != EOF) -> Read through keyword file
    if char = *space*
      number of keywords += 1

  reset pointer used to scan keywords

  ----------This part is to import keywords from txt file into string array----------
  initialize keyword string array

  for (i < number of keywords)
    fscanf(put keywords from txt file in keyword string array)

  ----------This part is to locate keywords in the text, and sentences with the respective keywords----------
  for (i < number of keywords)
    keywordFinder(keyword[i], &keywordExists) -> This function determines if the given keywords exists in the text

    if(keywordExists == true)
      update rating
      update number of keywords in text

    sentenceFinder(keyword[i]) -> This function extracts all sentences that include keyword as a substring
}
```

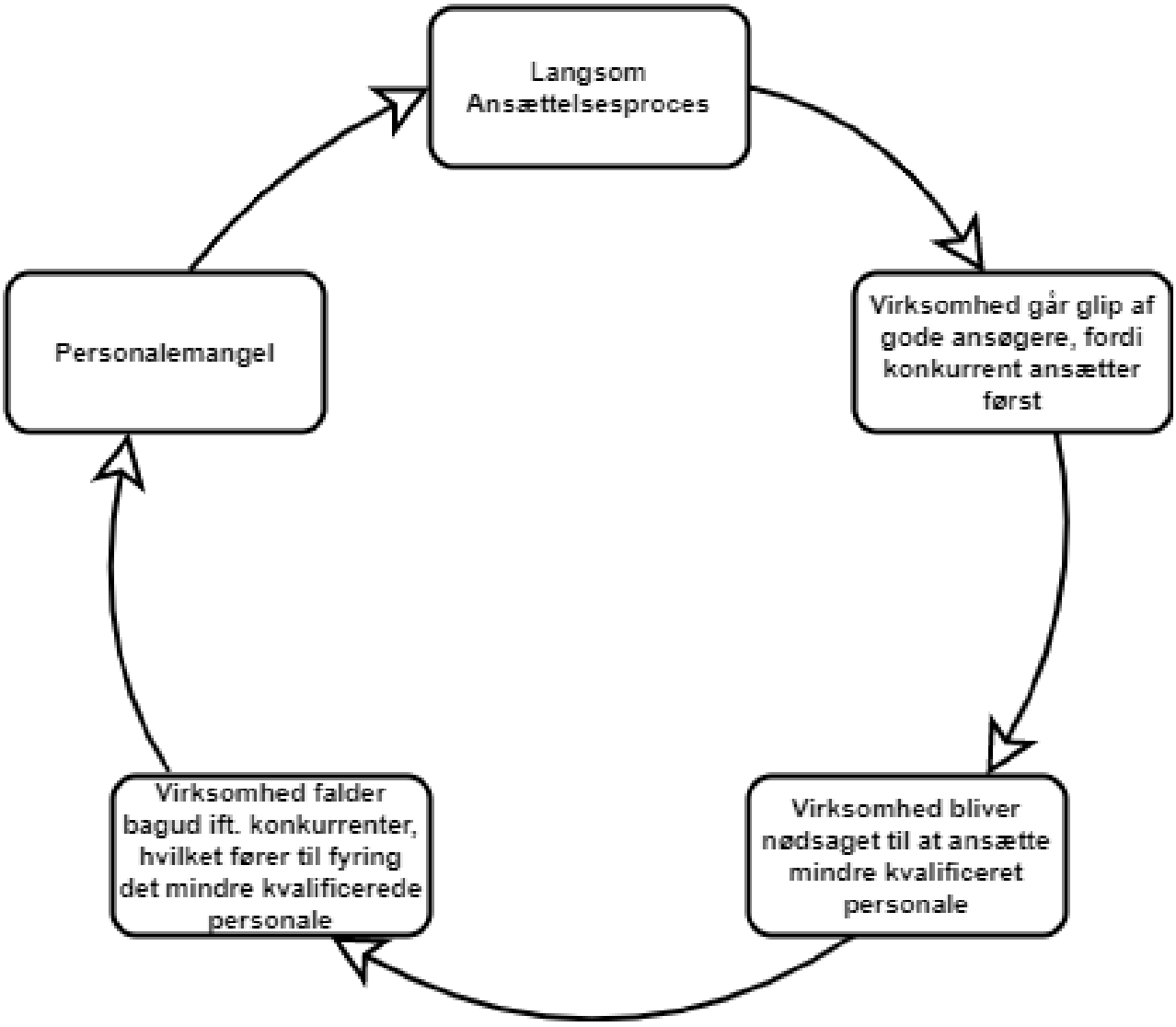
Route-diagram



Struct diagram



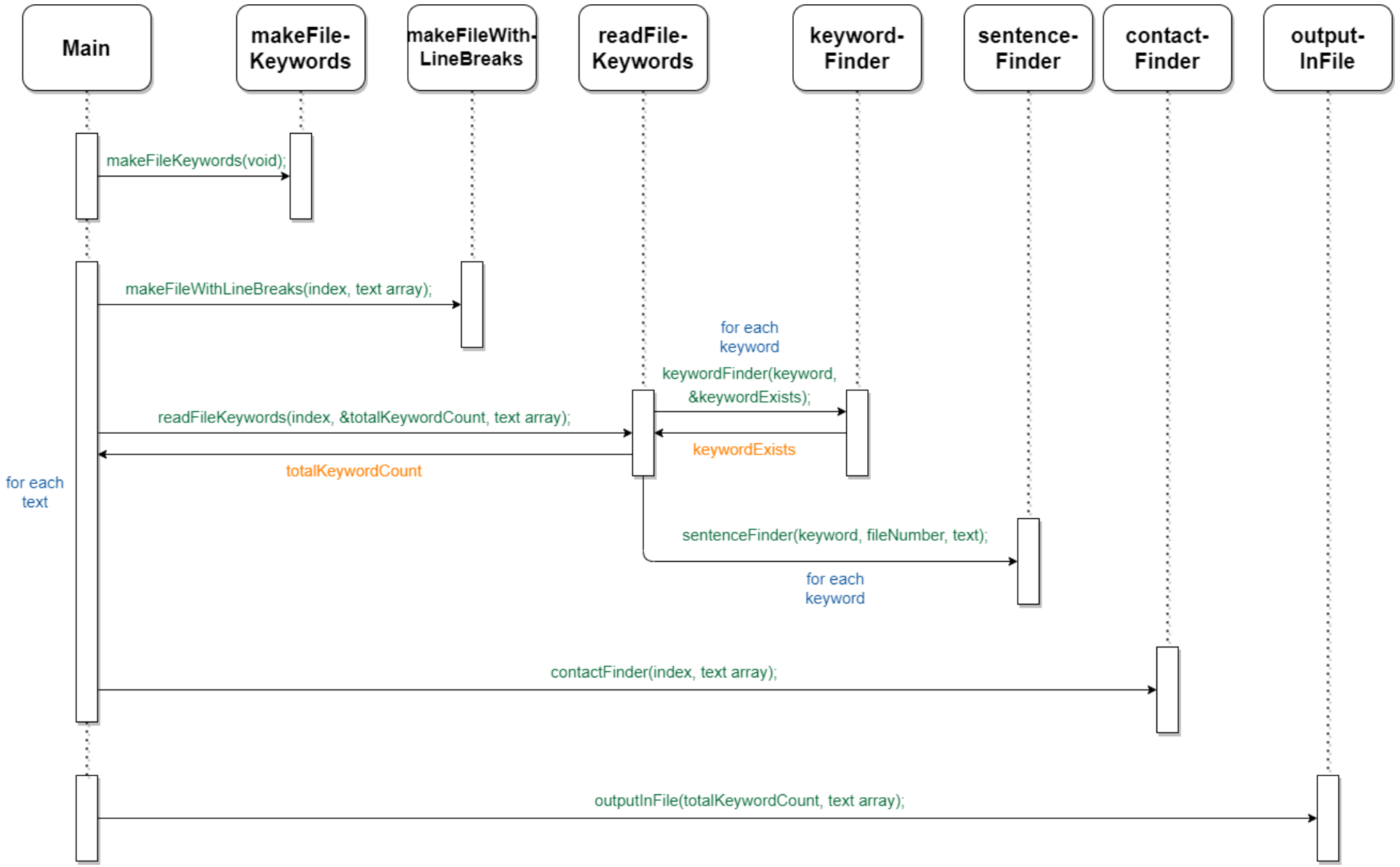
The cycle of an inadequate hiring process



Time administration

Week number							
	Monday	Tuesday	Wednesday	Thursday	Friday	Satruday	Sunday
41	P1 Start	Datalogi / Imperativ	Datalogi / P1	Free / P1	Free / P1		
42	PBL / P1	Datalogi / Imperativ	Datalogi / P1	Free / P1	Free / P1		
43	PBL / P1	Datalogi / Imperativ	Free / P1	Free / P1	Free / P1		
44	PBL / P1	Datalogi / Imperativ	Datalogi / P1	Free / P1	Free / P1		
45	PBL / P1	Datalogi / Imperativ	Datalogi / P1	Free / P1	Free / P1		
46	PBL / P1	Datalogi / Imperativ	Free / P1	Free / P1	Free / P1		
47	PBL / P1	Datalogi / Imperativ	P1 status	Free / P1	Free / P1		
48	Free / P1	Datalogi / Imperativ	Datalogi / P1	Free / P1	Free / P1		
49	Free / P1	Imperativ / P1	Free / P1	Free / P1	Free / P1		
50	Imperativ / P1	P1 /Imperativ	Free / P1	Free / P1	P1 hand-in		

Work hours for P1:

Monday - 12:30 to 16:15
Tuesday - None
Wednesday - 12:30 to 16:15
Thursday- Entire day
Friday - Entire day

UML Sequence Diagram