```java
 1 package CV;
 2
 3 import java.io.BufferedReader;
 8
 9 public class ReadFromFile {
10
11
12
13
14     private static String template;;
15
16     private BufferedReader br = null;
17     private FileReader fr = null;
18     private String[] geninfolist={" "," "," "," "," "," "};
19     private ArrayList<ArrayList<String>> skills_and_experience_on_2d=new
   ArrayList<ArrayList<String>>();
20     private ArrayList<String> skills_and_experience_on=new ArrayList<String>();
21     private ArrayList<ArrayList<String>> skills_2d=new ArrayList<ArrayList<String>>();
22     private ArrayList<String> skills;
23
24     private ArrayList<ArrayList<String>> career_2d=new ArrayList<ArrayList<String>>();
25     private ArrayList<String> career;
26
27     private ArrayList<ArrayList<String>> experience_2d=new
   ArrayList<ArrayList<String>>();
28     private ArrayList<String> experience;
29
30     private ArrayList<ArrayList<String>> education_2d=new
   ArrayList<ArrayList<String>>();
31     private ArrayList<String> education;
32
33     private ArrayList<ArrayList<String>> further_courses_2d=new
   ArrayList<ArrayList<String>>();
34     private ArrayList<String> further_courses;
35
36     private ArrayList<ArrayList<String>> experience_achievements_2d=new
   ArrayList<ArrayList<String>>();
37     private ArrayList<String> experience_achievements=new ArrayList<String>();
38     private ArrayList<String> experience_paragraphs_list=new ArrayList<String>();
39
40     private String proffesional_profile_paragraph="";
41     private String strengths_profile_paragraph="";
42     private String addinfo_profile_paragraph="";
43     private String interests_profile_paragraph="";
44     private String experience_paragraph="";
45
46
47
48
49
50
51
52
53     public String ReadFromtxt(CV cv,File filetoread){
54
55
56         try{
57
58
```

```java
59          String sCurrentLine;

60

61          br = new BufferedReader(new FileReader(filetoread));

62

63          sCurrentLine = br.readLine();

64

65              if(sCurrentLine.equals("\tFunctional Curicullum Vitae")){
66                  cv.addFunctionalSections();
67                  template=sCurrentLine.trim();
68                  cv.setTemplate(template);
69              }else if(sCurrentLine.equals("\tChronological Curicullum Vitae")){
70                  cv.addChronologicalSections();
71                  template=sCurrentLine.trim();
72                  cv.setTemplate(template);
73              }else{
74                  cv.addCombinedSections();
75                  template=sCurrentLine.trim();
76                  cv.setTemplate(template);
77              }

78

79

80

81          while ((sCurrentLine = br.readLine()) != null) {

82

83              String[] list=sCurrentLine.split(":");

84

85

86

87                  if(list[0].equals("  Name")){
88                      geninfolist[0]=list[1];
89                  }else if(list[0].equals("  Adress")){
90                      geninfolist[1]=list[1];
91                  }else if(list[0].equals("  Telephone(Home)")){
92                      geninfolist[2]=list[1];
93                  }else if(list[0].equals("  Telephone(Mobile)*")){
94                      geninfolist[3]=list[1];
95                  }else if(list[0].equals("  E-mail")){
96                      geninfolist[4]=list[1];
97                  }

98

99                  cv.setGeneralInfo(geninfolist);

100

101                  if(list[0].equals(" ProfessionalProfile")){
102                      sCurrentLine = br.readLine();
103                      list=sCurrentLine.split(":");
104                      while(!sCurrentLine.equals(" Skills")&&!sCurrentLine.equals(" Strengths")){

105

106

107                          proffesional_profile_paragraph=proffesional_profile_paragraph+sCurrentLine;

108                          proffesional_profile_paragraph=proffesional_profile_paragraph+"\n";

109                          sCurrentLine = br.readLine();
110                          list=sCurrentLine.split(":");

111

112                      }

113

114                      cv.getSection("ProfessionalProfile").addParagraph();
```

```java
115                         cv.getSection("ProfessionalProfile").getParagraph().setContent
    s(proffesional_profile_paragraph);
116                     }
117
118
119             if(list[0].equals("  Skills and Experience on")){
120                 while(list[0].equals("  Skills and Experience on")){
121                     skills_and_experience_on.add(list[1]);
122                     sCurrentLine = br.readLine();
123                     list=sCurrentLine.split(":");
124                     skills=new ArrayList<String>();
125                     while (list[0].equals("    * ")) {
126                         skills.add(list[1]);
127                         sCurrentLine = br.readLine();
128                         list=sCurrentLine.split(":");
129
130
131                     }
132                     skills_2d.add(skills);
133                 }
134                 skills_and_experience_on_2d.add(skills_and_experience_on);
135                 cv.getSection("Skills").addBulletList();
136                 cv.getSection("Skills").getBullet().set2dBullets(skills_and_ex
    perience_on_2d);
137                 cv.getSection("Skills").getBullet().addBulletListItem();
138                 cv.getSection("Skills").getBullet().getItem().set2dBulletItems(
    skills_2d);
139             }else if(list[0].equals(" Strengths")){
140                 sCurrentLine = br.readLine();
141                 list=sCurrentLine.split(":");
142                 while(!sCurrentLine.equals(" Experience")){
143
144
145                     strengths_profile_paragraph+=sCurrentLine;
146                     strengths_profile_paragraph+="\n";
147                     sCurrentLine = br.readLine();
148                     list=sCurrentLine.split(":");
149
150                 }
151
152                 cv.getSection("Strengths").addParagraph();
153                 cv.getSection("Strengths").getParagraph().setContents(strength
    s_profile_paragraph);
154
155             }
156
157             if(list[0].equals(" Career")){
158                 sCurrentLine = br.readLine();
159                 list=sCurrentLine.split(":");
160                 String[] list1=list[1].split(",");
161                 String[] list2=list[2].split(",");
162
163                 while(!list[0].equals(" Education")){
164                     career=new ArrayList<String>();
165                     list1=list[1].split(",");
166                     list2=list[2].split(",");
167                     if(list[0].equals("  Company Name")){
168                         career.add(list1[0]);
169                     }else{
```

```java
170                             career.add(" ");
171                         }
172                         if(list1[1].equals("Job Title")){
173                             career.add(list2[0]);
174                         }else{
175                             career.add(" ");
176                         }
177                         if(list2[1].equals("Date")){
178                             career.add(list[3]);
179                         }else{
180                             career.add(" ");
181                         }
182                         sCurrentLine = br.readLine();
183                         list=sCurrentLine.split(":");
184                         career_2d.add(career);
185
186                     }
187                 cv.getSection("Career").addBulletList();
188                 cv.getSection("Career").getBullet().set2dBullets(career_2d);
189             }else if(list[0].equals(" Experience")){
190
191
192                 sCurrentLine = br.readLine();
193                 list=sCurrentLine.split(":");
194                 String[] list1=list[1].split(",");
195                 String[] list2=list[2].split(",");
196
197                 while(!list[0].equals(" Education")){
198                     experience=new ArrayList<String>();
199                     list1=list[1].split(",");
200                     list2=list[2].split(",");
201                     if(list[0].equals("  Company Name")){
202                         experience.add(list1[0]);
203                     }else{
204                         experience.add(" ");
205                     }
206                     if(list1[1].equals("Job Title")){
207                         experience.add(list2[0]);
208                     }else{
209                         experience.add(" ");
210                     }
211                     if(list2[1].equals("Date")){
212                         experience.add(list[3]);
213                     }else{
214                         experience.add(" ");
215                     }
216                     sCurrentLine = br.readLine();
217                     list=sCurrentLine.split(":");
218                     experience_2d.add(experience);
219
220                     if(list[0].equals("   Responsibilities")){
221
222                         sCurrentLine = br.readLine();
223                         list=sCurrentLine.split(":");
224                         while(!list[0].equals("    * ")&&!sCurrentLine.equals("
    Company Name")&&!sCurrentLine.equals(" Education")){
225
226                             experience_paragraph+=sCurrentLine;
227                             experience_paragraph+="\n";
```

```java
228                                sCurrentLine = br.readLine();
229                                list=sCurrentLine.split(":");
230
231                            }
232
233                            experience_paragraphs_list.add(experience_paragraph);
234                            experience_paragraph="";
235
236                        }
237
238                        if(list[0].equals("   * ")){
239                            experience_achievements=new ArrayList<String>();
240                            while(list[0].equals("   * ")){
241
242                                experience_achievements.add(list[1]);
243                                sCurrentLine = br.readLine();
244                                list=sCurrentLine.split(":");
245                            }
246                        }
247                        experience_achievements_2d.add(experience_achievements);
248
249                    }
250
251                    cv.getSection("Experience").addParagraph();
252                    cv.getSection("Experience").getParagraph().setlistContents(experience_paragraphs_list);
253                    cv.getSection("Experience").addBulletList();
254                    cv.getSection("Experience").getBullet().set2dBullets(experience_2d);
255                    cv.getSection("Experience").getBullet().addBulletListItem();
256                    cv.getSection("Experience").getBullet().getItem().set2dBulletItems(experience_achievements_2d);
257
258                }
259
260
261                if(list[0].equals(" Education")){
262
263                    sCurrentLine = br.readLine();
264                    list=sCurrentLine.split(":");
265                    String[] list1=list[1].split(",");
266                    String[] list2=list[2].split(",");
267                    String[] list3=list[3].split(",");
268                    while(!list[0].equals(" FurtherCourses")){
269                        education=new ArrayList<String>();
270                        list1=list[1].split(",");
271                        list2=list[2].split(",");
272                        list3=list[3].split(",");
273                        if(list[0].equals("  Qualification")){
274                            education.add(list1[0]);
275                        }
276                        if(list1[1].equals("Establishment")){
277                            education.add(list2[0]);
278                        }
279                        if(list2[1].equals("Location")){
280                            education.add(list3[0]);
281                        }
282                        if(list3[1].equals("Date")){
283                            education.add(list[4]);
```

```java
284                        }
285                        sCurrentLine = br.readLine();
286                        list=sCurrentLine.split(":");
287                        education_2d.add(education);
288                    }
289
290                    cv.getSection("Education").addBulletList();
291                    cv.getSection("Education").getBullet().set2dBullets(education_2
    d);
292
293                }
294
295            if(list[0].equals( " FurtherCourses")){
296                sCurrentLine = br.readLine();
297                list=sCurrentLine.split(":");
298                String[] list1=list[1].split(",");
299                String[] list2=list[2].split(",");
300                String[] list3=list[3].split(",");
301                while(!list[0].equals(" AdditionalInfo")){
302                    further_courses=new ArrayList<String>();
303                    list1=list[1].split(",");
304                    list2=list[2].split(",");
305                    list3=list[3].split(",");
306                    if(list[0].equals("  Course")){
307                        further_courses.add(list1[0]);
308                    }
309                    if(list1[1].equals("Establishment")){
310                        further_courses.add(list2[0]);
311                    }
312                    if(list2[1].equals("Location")){
313                        further_courses.add(list3[0]);
314                    }
315                    if(list3[1].equals("Date")){
316                        further_courses.add(list[4]);
317                    }
318                    sCurrentLine = br.readLine();
319                    list=sCurrentLine.split(":");
320                    further_courses_2d.add(further_courses);
321                }
322
323                cv.getSection("FurtherCourses").addBulletList();
324                cv.getSection("FurtherCourses").getBullet().set2dBullets(furth
    er_courses_2d);
325            }
326
327            if(list[0].equals( " AdditionalInfo")){
328
329                sCurrentLine = br.readLine();
330                list=sCurrentLine.split(":");
331                while(!sCurrentLine.equals(" Interests")){
332
333
334                    addinfo_profile_paragraph+=sCurrentLine;
335                    addinfo_profile_paragraph+="\n";
336                    sCurrentLine = br.readLine();
337                    list=sCurrentLine.split(":");
338
339                }
340
```

```
341                              cv.getSection("AdditionalInfo").addParagraph();
342                              cv.getSection("AdditionalInfo").getParagraph().setContents(add
   info_profile_paragraph);
343
344                      }
345
346                  if(list[0].equals( " Interests")){
347
348                      sCurrentLine = br.readLine();
349                      list=sCurrentLine.split(":");
350                      while(sCurrentLine!=null){
351
352
353                          interests_profile_paragraph+=sCurrentLine;
354                          interests_profile_paragraph+="\n";
355                          sCurrentLine = br.readLine();
356
357                      }
358
359                      cv.getSection("Interests").addParagraph();
360                      cv.getSection("Interests").getParagraph().setContents(interest
   s_profile_paragraph);
361                  }
362
363
364              }
365          return template;
366          //}
367      }catch (IOException e) {
368          // do something
369          return " ";
370      }
371
372  }
373
374
375
376  public String ReadFromLatex(CV cv,File filetoread){
377
378      try{
379
380
381          String sCurrentLine;
382
383          br = new BufferedReader(new FileReader(filetoread));
384
385          sCurrentLine = br.readLine();
386          sCurrentLine = br.readLine();
387          sCurrentLine = br.readLine();
388          sCurrentLine = br.readLine();
389          sCurrentLine = br.readLine();
390
391
392              if(sCurrentLine.equals("Functional Curicullum Vitae\\\\")){
393                  cv.addFunctionalSections();
394                  template=sCurrentLine.replace("\\\\", "");
395              }else if(sCurrentLine.equals("Chronological Curicullum Vitae\\\\")){
396                  cv.addChronologicalSections();
397                  template=sCurrentLine.replace("\\\\", "");
```

```java
398                 }else if(sCurrentLine.equals("Combined Curicullum Vitae\\\\")){
399                     cv.addCombinedSections();
400                     template=sCurrentLine.replace("\\\\", "");
401                 }
402
403
404         while ((sCurrentLine != null)) {
405
406
407
408             String[] list=sCurrentLine.split(":");
409
410                 if(list[0].equals("Name")){
411                     geninfolist[0]=list[1].replace("\\\\", "");
412                 }else if(list[0].equals("Adress")){
413                     geninfolist[1]=list[1].replace("\\\\", "");
414                 }else if(list[0].equals("Telephone(Home)")){
415                     geninfolist[2]=list[1].replace("\\\\", "");
416                 }else if(list[0].equals("Telephone(Mobile)*")){
417                     geninfolist[3]=list[1].replace("\\\\", "");
418                 }else if(list[0].equals("E-mail")){
419                     geninfolist[4]=list[1].replace("\\\\", "");
420                 }
421
422                 cv.setGeneralInfo(geninfolist);
423
424
425                 if(list[0].equals("ProfessionalProfile\\\\")){
426
427                     sCurrentLine = br.readLine();
428                     list=sCurrentLine.split(":");
429                     while(!sCurrentLine.equals("Skills\\\
    \")&&!sCurrentLine.equals("Strengths\\\\")){
430
431
432                         proffesional_profile_paragraph=proffesional_profile_paragr
    aph+sCurrentLine;
433                         proffesional_profile_paragraph=proffesional_profile_paragr
    aph+"\n";
434                         sCurrentLine = br.readLine();
435                         list=sCurrentLine.split(":");
436
437                     }
438                     proffesional_profile_paragraph.replace("\\\\", "");
439                     cv.getSection("ProfessionalProfile").addParagraph();
440                     cv.getSection("ProfessionalProfile").getParagraph().setContent
    s(proffesional_profile_paragraph);
441
442                 }
443
444                 if(list[0].equals(" Skills and Experience on")){
445                     while(list[0].equals(" Skills and Experience on")){
446                         skills_and_experience_on.add(list[1].replace("\\\\", ""));
447                         sCurrentLine = br.readLine();
448                         list=sCurrentLine.split(":");
449                         skills=new ArrayList<String>();
450                         while (list[0].equals("* ")||list[0].equals("** ")) {
451                             skills.add(list[1].replace("\\\\", ""));
452                             sCurrentLine = br.readLine();
```

```java
453                         list=sCurrentLine.split(":");
454
455                     }
456                     skills_2d.add(skills);
457                 }
458             skills_and_experience_on_2d.add(skills_and_experience_on);
459             cv.getSection("Skills").addBulletList();
460             cv.getSection("Skills").getBullet().set2dBullets(skills_and_ex
    perience_on_2d);
461             cv.getSection("Skills").getBullet().addBulletListItem();
462             cv.getSection("Skills").getBullet().getItem().set2dBulletItems(
    skills_2d);
463         }else if(list[0].equals("Strengths\\\\")){
464
465             sCurrentLine = br.readLine();
466             list=sCurrentLine.split(":");
467             while(!sCurrentLine.equals("Experience\\\\")){
468
469
470                 strengths_profile_paragraph+=sCurrentLine;
471                 strengths_profile_paragraph+="\n";
472                 sCurrentLine = br.readLine();
473                 list=sCurrentLine.split(":");
474
475             }
476             strengths_profile_paragraph.replace("\\\\", "");
477             cv.getSection("Strengths").addParagraph();
478             cv.getSection("Strengths").getParagraph().setContents(strength
    s_profile_paragraph);
479
480         }
481
482         if(list[0].equals("Career\\\\")){
483             sCurrentLine = br.readLine();
484             list=sCurrentLine.split(":");
485             String[] list1=list[1].split(",");
486             String[] list2=list[2].split(",");
487
488             while(!list[0].equals("Education\\\\")){
489                 career=new ArrayList<String>();
490                 list1=list[1].split(",");
491                 list2=list[2].split(",");
492                 if(list[0].equals(" Company Name")){
493                     career.add(list1[0]);
494                 }else{
495                     career.add(" ");
496                 }
497                 if(list1[1].equals(" Job Title")){
498                     career.add(list2[0]);
499                 }else{
500                     career.add(" ");
501                 }
502                 if(list2[1].equals(" Date")){
503                     career.add(list[3].replace("\\\\", ""));
504                 }else{
505                     career.add(" ");
506                 }
507                 sCurrentLine = br.readLine();
508                 list=sCurrentLine.split(":");
```

```java
509                             career_2d.add(career);
510
511                         }
512                     cv.getSection("Career").addBulletList();
513                     cv.getSection("Career").getBullet().set2dBullets(career_2d);
514             }else if(list[0].equals("Experience\\\\")){
515
516
517                     sCurrentLine = br.readLine();
518                     list=sCurrentLine.split(":");
519                     String[] list1=list[1].split(",");
520                     String[] list2=list[2].split(",");
521
522                     while(!list[0].equals("Education\\\\")){
523                         experience=new ArrayList<String>();
524                         list1=list[1].split(",");
525                         list2=list[2].split(",");
526                         if(list[0].equals(" Company Name")){
527                             experience.add(list1[0]);
528                         }else{
529                             experience.add(" ");
530                         }
531                         if(list1[1].equals(" Job Title")){
532                             experience.add(list2[0]);
533                         }else{
534                             experience.add(" ");
535                         }
536                         if(list2[1].equals(" Date")){
537                             experience.add(list[3].replace("\\\\", ""));
538                         }else{
539                             experience.add(" ");
540                         }
541                         sCurrentLine = br.readLine();
542                         list=sCurrentLine.split(":");
543                         experience_2d.add(experience);
544
545
546                         if(list[0].equals("Responsibilities\\\\")){
547
548                             sCurrentLine = br.readLine();
549                             list=sCurrentLine.split(":");
550                             while(!list[0].equals("** ")&&!sCurrentLine.equals("
    Company Name\\\\")&&!sCurrentLine.equals("Education\\\\")){
551
552                                 experience_paragraph+=sCurrentLine;
553                                 experience_paragraph+="\n";
554                                 sCurrentLine = br.readLine();
555                                 list=sCurrentLine.split(":");
556
557                             }
558
559                             experience_paragraphs_list.add(experience_paragraph);
560                             experience_paragraph="";
561
562                         }
563                         if(list[0].equals("** ")){
564                             experience_achievements=new ArrayList<String>();
565                             while(list[0].equals("** ")){
566
```

```java
567                             experience_achievements.add(list[1].replace("\\\
   \", ""));
568                             sCurrentLine = br.readLine();
569                             list=sCurrentLine.split(":");
570                         }
571                     }
572                     experience_achievements_2d.add(experience_achievements);
573
574                 }
575
576                 cv.getSection("Experience").addParagraph();
577                 cv.getSection("Experience").getParagraph().setlistContents(exp
   erience_paragraphs_list);
578                 cv.getSection("Experience").addBulletList();
579                 cv.getSection("Experience").getBullet().set2dBullets(experienc
   e_2d);
580                 cv.getSection("Experience").getBullet().addBulletListItem();
581                 cv.getSection("Experience").getBullet().getItem().set2dBulletI
   tems(experience_achievements_2d);
582
583             }
584
585
586         if(list[0].equals("Education\\\\")){
587
588             sCurrentLine = br.readLine();
589             list=sCurrentLine.split(":");
590             String[] list1=list[1].split(",");
591             String[] list2=list[2].split(",");
592             String[] list3=list[3].split(",");
593             while(!list[0].equals("FurtherCourses\\\\")){
594                 education=new ArrayList<String>();
595                 list1=list[1].split(",");
596                 list2=list[2].split(",");
597                 list3=list[3].split(",");
598                 if(list[0].equals(" Qualification")){
599                     education.add(list1[0]);
600                 }
601                 if(list1[1].equals(" Establishment")){
602                     education.add(list2[0]);
603                 }
604                 if(list2[1].equals(" Location")){
605                     education.add(list3[0]);
606                 }
607                 if(list3[1].equals(" Date")){
608                     education.add(list[4].replace("\\\\", ""));
609                 }
610                 sCurrentLine = br.readLine();
611                 list=sCurrentLine.split(":");
612                 education_2d.add(education);
613             }
614
615             cv.getSection("Education").addBulletList();
616             cv.getSection("Education").getBullet().set2dBullets(education_2
   d);
617
618         }
619
620         if(list[0].equals("FurtherCourses\\\\")){
```

```java
621                            sCurrentLine = br.readLine();
622                            list=sCurrentLine.split(":");
623                            String[] list1=list[1].split(",");
624                            String[] list2=list[2].split(",");
625                            String[] list3=list[3].split(",");
626                            while(!list[0].equals("AdditionalInfo\\\\")){
627                                further_courses=new ArrayList<String>();
628                                list1=list[1].split(",");
629                                list2=list[2].split(",");
630                                list3=list[3].split(",");
631                                if(list[0].equals(" Course")){
632                                    further_courses.add(list1[0]);
633                                }
634                                if(list1[1].equals(" Establishment")){
635                                    further_courses.add(list2[0]);
636                                }
637                                if(list2[1].equals(" Location")){
638                                    further_courses.add(list3[0]);
639                                }
640                                if(list3[1].equals(" Date")){
641                                    further_courses.add(list[4].replace("\\\\", ""));
642                                }
643                                sCurrentLine = br.readLine();
644                                list=sCurrentLine.split(":");
645                                further_courses_2d.add(further_courses);
646                            }

648                        cv.getSection("FurtherCourses").addBulletList();
649                        cv.getSection("FurtherCourses").getBullet().set2dBullets(furth
   er_courses_2d);
650                        }
651
652                    if(list[0].equals( "AdditionalInfo\\\\")){
653
654                        sCurrentLine = br.readLine();
655                        list=sCurrentLine.split(":");
656                        while(!sCurrentLine.equals("Interests\\\\")){
657
658
659                            addinfo_profile_paragraph+=sCurrentLine;
660                            addinfo_profile_paragraph+="\n";
661                            sCurrentLine = br.readLine();
662                            list=sCurrentLine.split(":");
663
664                        }
665                        addinfo_profile_paragraph.replace("\\\\", "");
666                        cv.getSection("AdditionalInfo").addParagraph();
667                        cv.getSection("AdditionalInfo").getParagraph().setContents(add
   info_profile_paragraph);
668
669                    }
670
671                    if(list[0].equals( "Interests\\\\")){
672
673                        sCurrentLine = br.readLine();
674                        list=sCurrentLine.split(":");
675                        while(!sCurrentLine.equals("\\end{document}")){
676
677
```

```
678                              interests_profile_paragraph+=sCurrentLine;
679                              interests_profile_paragraph+="\n";
680                              sCurrentLine = br.readLine();
681
682                          }
683                          interests_profile_paragraph.replace("\\\\", "");
684                          cv.getSection("Interests").addParagraph();
685                          cv.getSection("Interests").getParagraph().setContents(interest
   s_profile_paragraph);
686                      }
687
688
689                  sCurrentLine = br.readLine();
690
691
692              }
693          return template;
694          //}
695      }catch (IOException e) {
696              // do something
697          return " ";
698      }
699
700  }
701
702
703 }
704
```