

The fhnwfactsheet Class*

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<https://github.com/alpenwasser/fhnwfactsheet/>

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Abstract

The `fhnwfactsheet` class offers a simple interface for composing a fact sheet for projects in A4 paper size for the Degree Program *Electrical and Information Technology* at the School of Engineering of the University of Applied Sciences and Arts Northwestern Switzerland.

This document contains the documentation for user interface and describes the implementation for any developer who intends to modify the class.

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1 Basic Concept

The class allows to build individual standalone fact sheets as well as a larger document containing multiple fact sheets as a collection, including a title page, a table of contents etc. The underlying structure in both scenarios is identical:

```

Master document
├── Content document
│   └── Further ressources (e.g. images)

```

In case of multiple fact sheets being included in a larger collection, it is also possible to have a larger master document at the top and organize the included fact sheets in their own subdirectories. Each fact sheet can still have its own master document in this case for standalone compilation. The master document for the collection will just ignore them.

```

Master document for collection
├── Subdir 1
│   ├── Master document for fact sheet 1
│   ├── Content document for fact sheet 1
│   └── Further ressources for fact sheet 1 (e.g. images)
└── Subdir 2
    ├── Master document for fact sheet 2
    ├── Content document for fact sheet 2
    └── Further Ressources for fact sheet 2 (e.g. images)

```

Note:

- fhnwfactsheet does not enforce any specific file name specification. Follow your teacher's instructions if you are creating a fact sheet for submission to the school.
- Do not load additional packages! This will mess up the process of merging your standalone fact sheet with others. fhnwfactsheet loads most classes one would reasonably need to create a fact sheet. If there really is a package which you absolutely, positively need,

contact the package maintainer and he will see if it can be integrated into the class. This will then allow to push the class to everyone through an update and things should (hopefully) not break.

1.1 Master Document

The master document is the document on which you run `pdflatex`. It sets up the class and its configuration and then loads the **Content Document**. If you are working on a standalone fact sheet, this file will be very minimal:

```
\documentclass[german]{fhnwfactsheet}
\begin{document}
\includefactsheet{contentDocument.tex}
\end{document}
```

Multiple **Content Documents** can be included if you wish to create a collection of fact sheets. Each fact sheet will be put on a single page. This also enables the creation of a table of contents. In this example, each factsheet is in its own subdirectory, though this is not strictly necessary or enforced by the package.

```
\documentclass[german]{fhnwfactsheet}
\begin{document}
\pagenumbering{roman}
\tableofcontents

\newpage\pagenumbering{arabic}

\includefactsheet[subdir1/]{factsheet1Content.tex}
\includefactsheet[subdir2/]{factsheet2Content.tex}
\includefactsheet[subdir3/]{factsheet3Content.tex}
\includefactsheet[subdir4/]{factsheet4Content.tex}
\end{document}
```

1.2 Content Document

The content document is where the content of your fact sheet actually resides. It offers some specific commands to enable consistent layout and typography and places some restrictions which should prevent things from getting too extravagant. See the **examples** directory for some example code.

2 Installation

From `fhnwfactsheet.dtx` and `fhnwfactsheet.ins`, generate the class file `fhnwfactsheet.cls` by running

```
pdflatex fhnwfactsheet.ins
```

This will create the class file. If you wish to compile the documentation (this document), run:

```
pdflatex fhnwfactsheet.dtx
```

After that, place `fhnwfactsheet.cls` in your working directory and enable it via the `documentclass` command (see example for master document above).

3 Class Options

`english` These class options will load the corresponding `babel` language as well as
`german` set some key words accordingly. If you don't specify any language, the
`deutsch` class defaults to German.

Examples:

```
\documentclass{fhnwfactsheet}           % German
\documentclass[deutsch]{fhnwfactsheet} % German
\documentclass[german]{fhnwfactsheet}  % German
\documentclass[english]{fhnwfactsheet} % English
```

`confidential` Prints a *Confidential* watermark across the pages.

`tocteam` Adds the project team to the table of contents line of the fact sheet.
Note: This can get rather cumbersome for large groups. It is probably only sensible to enable this option in case of small teams to preserve ToC legibility.

`tocprojtype` Adds the project type to the table of contents (e.g. *P6*).

`fspath` Displays the directory of the current fact sheet in the heading line of its page.

4 Commands

This section describes the commands which are implemented by `fhnwfactsheet`.

4.1 Language-Specific Macros

These macros are used to name the people involved in the project as well as their roles. None of these have to be specified, if they did not exist. They will be used when defined, otherwise not.

`\team` Comma-separated list of team members. *Note:* Use `Firstname Last-name` notation to ensure consistency. Example:

```
\team{%
    Team Leader,
    Personwho Didallthework,
    Personwho Wasalsothere,
    Dudewho Wasnotthere}
```

<code>\client</code>	The client. The format is identical to the <code>\team</code> command.
<code>\coach</code>	The Project coaches. In case of a single person, use <code>\coach</code> , in case of multiple people, use <code>\coaches</code> . <i>Note:</i> Since these options are mutually exclusive, the class will raise an error if both macros have been specified.
<code>\expert</code>	Experts, for example in case of a thesis. Same as above, the class will raise an error in case of both singular and plural form being specified.
<code>\partners</code>	Industry partners, if there were any (and they can be named).

4.2 Content Generation

The following macros are used to create the content which goes onto the fact sheet page. The title for the page. This will also be used as the title in the table of contents in case of a collection document (internally it is automatically mapped to a `\chapter`).

```
\title{Grand Title of Significant Magnitude}
```

Note: The title will never wrap onto a new line. If it is too long for a single line, it will simply run off the page. This is by design. Shorten your title in that case.

`\fssummary` This is where the introductory header text goes. Ideally, it should not be longer than three or maximum four lines. However, the macro itself does not enforce this. Example¹ Hier kommt der Einleitungstext hinein. Idealerweise sollte die Einleitung nicht länger als drei bis maximal vier Zeilen sein. Das Macro erzwingt diese Länge allerdings nicht. Beispiel

```
\fssummary{%
  Habe nun, ach! Philosophie,
  Juristerei und Medizin,
  Und leider auch Theologie
  Durchaus studiert, mit heiem Bemh'n.
  Da steh ich nun, ich armer Tor!
  Und bin so klug als wie zuvor;
  Heie Magister, heie Doktor gar,
  Und ziehe schon an die zehen Jahr
  Herauf, herab und quer und krumm
  Meine Schler an der Nase herum.}
```

`\fsgraphics` This command creates a box which is put between `\fssummary` and `\fscontent` with the intent of being filled with graphical content. There are not really any restrictions placed on the graphics, so treat with care. Usually, one would probably want to use `\includegraphics` here.

For including multiple graphics, the use of `minipages` is advised.²

`\graphicscaption` The caption for a picture. Can be used multiple times in case of mul-

¹Goethe's Faust – Nacht; this will result in 3.5 lines.

²More about minipages and their sometimes surprising behavior:
<https://github.com/alpenwasser/TeX/tree/master/minipages>

tiple pictures. Should be kept short.

`\graphicssource` A source for the pictures. Is placed vertically in the right page margin. This, too should be kept short (see example below).
An example for including two images along the horizontal axis:

```
\fsgraphics{%  
  \begin{minipage}{0.4\textwidth}  
    \includegraphics[height=60mm]{images/bild0.png}  
    \graphicscaption{Dies ist ein Bild}  
  \end{minipage}%  
  \begin{minipage}{0.6\textwidth}  
    \includegraphics[height=60mm]{images/bild1.png}  
    \graphicscaption{Dies ist ein anderes Bild}  
  \end{minipage}  
  \graphicssource{Wikipedia}}
```

`\fscontent` The main content of your document, split into three columns. Partition via the `\section` command as usual (there are no subsections or even subsubsections available).

You can also include graphics here, should you feel so inclined (see the separate *Sonart* example fact sheet). Example:

```
\section{Faust -- Nacht}  
\label{sec:faust-night}  
Und sehe, da wir nichts wissen knnen!  
Das will mir schier das Herz verbrennen.  
Zwar bin ich gescheiter als all die Laffen,  
Doktoren, Magister, Schreiber und Pfaffen;  
Mich plagen keine Skrupel noch Zweifel,  
Frchte mich weder vor Hlle noch Teufel -  
Dafr ist mir auch alle Freud entrissen,  
Bilde mir nicht ein, was Recht's zu wissen,  
Bilde mir nicht ein, ich knnte was lehren,  
Die Menschen zu bessern und zu bekehren.
```

```
\section{Faust -- Mehr Nacht}  
\label{sec:faust-more-night}  
Auch hab ich weder Gut noch Geld,  
Noch Ehr und Herrlichkeit der Welt;  
Es mchte kein Hund so lnger leben!  
Drum hab ich mich der Magie ergeben,  
Ob mir durch Geistes Kraft und Mund  
Nicht manch Geheimnis wrde kund;  
Da ich nicht mehr mit saurem Schwei  
Zu sagen brauche, was ich nicht wei;  
Da ich erkenne, was die Welt  
Im Innersten zusammenhlt,  
Schau alle Wirkenskraft und Samen,  
Und tu nicht mehr in Worten kramen.
```

`\infobox` A box which gets placed on the left side at the page bottom. Can fundamentally contain pretty much any content you like. Well-suited for highlighting key points or specifications about the project. Example:

```
\infobox{Highlights}{%
  \footnotesize
  \setlength\tabcolsep{2pt} % make table a bit more compact horizontally
  \begin{tabular}{ll}
    Category 1 & Property A \\
                & Property B \\
                & Property C \\
                & Property D \\
    Category 2 & Property E \\
                & Property F \\
                & Property G \\
                & Property H \\
  \end{tabular}}
```

`\projtype{<Project Type>}` Indicates the project type for table of contents. Is only displayed if the `tocprojtype` class option has been set. Example:

```
\projtype{P6}
```

`\includefactsheet[<Subdirectory>]{<ContentDocument>}`

Loads a Content Document in a Master Document (see Section 1). For organizing a master document with many content documents, there is the option of putting those content documents in individual subdirectories and passing those subdirectories to the `includefactsheet` command. *Note:* The subdirectory must have a trailing slash appended: `\includefactsheet[subdir/]{contentDoc.tex}`. See also the `examples` directory of the repository.

5 Examples

The `examples` directory contains a few examples, both for standalone documents and a collection of fact sheets.

6 Implementation

If you are merely intending to use this class, you probably do not need to read this.

6.1 Class Initialization

```
1 \newif\if@english
2 \newif\if@german
3 \newif\if@confidential
```

```

4 \newif\if@tocteam
5 \newif\if@tocprojtype
6 \newif\if@fspath
7 \DeclareOption{english}{\@englishttrue\@germanfalse}
8 \DeclareOption{german}{\@germantrue\@englishfalse}
9 \DeclareOption{deutsch}{\@germantrue\@englishfalse}

```

Add a `confidential` option to print a watermark across the page.

```
10 \DeclareOption{confidential}{\@confidentialtrue}
```

Add options to enable team and/or project type in table of contents.

```
11 \DeclareOption{tocteam}{\@tocteamtrue}
```

```
12 \DeclareOption{tocprojtype}{\@tocprojtypetrue}
```

Add a `fspath` option to display path of directory fact sheet in heading.

```
13 \DeclareOption{fspath}{\@fspathtrue}
```

Fallback for invalid options, processing options.

```
14 \DeclareOption*{% Fallback
```

```
15   \ClassError{myclass}{Unknown option '\CurrentOption'}{}
```

```
16 }
```

```
17 \ExecuteOptions{english,german,deutsch} % default options
```

```
18 \ProcessOptions
```

6.2 Load Packages

```
19 % Packages
```

```
20 \LoadClass{report}
```

```
21 \RequirePackage[utf8]{inputenc}
```

```
22 \RequirePackage[T1]{fontenc}
```

```
23 \RequirePackage{graphicx}
```

```
24 \RequirePackage{tikz}
```

```
25 \RequirePackage{rviewport}
```

```
26 \RequirePackage{multicol}
```

```
27 \RequirePackage[inline]{enumitem}
```

```
28 \RequirePackage{geometry}
```

Load `draftwatermark` package if `confidential` has been enabled. Set appropriate text in the selected language.

```
29 \if@confidential
```

```
30   \RequirePackage{draftwatermark}
```

```
31   \if@english
```

```
32     \SetWatermarkText{Confidential}
```

```
33   \fi
```

```
34   \if@german
```

```
35     \SetWatermarkText{Vertraulich}
```

```
36   \fi
```

```
37 \fi
```

Fonts and colors.

```
38 \RequirePackage[scaled=0.95]{helvet}
```

```
39 \renewcommand\familydefault{\sfdefault}
```

```
40 \RequirePackage{xcolor}
```

```
41 % Define document colos palette
```



```

42 \definecolor{parties}{HTML}{666666}
43 \definecolor{title}{HTML}{000066}
44 \definecolor{summary}{HTML}{666666}
45 \colorlet{boxbg}{cyan!50!blue!20!white}

```

Miscellaneous other packages.

```

46 \RequirePackage{rotating}
47 \RequirePackage{microtype}
48 \RequirePackage{tcolorbox}
49 \RequirePackage{booktabs}
50 \RequirePackage[binary-units=true]{siunitx}
51 \sisetup{range-phrase=- -}
52 \RequirePackage[%
53     hidelinks=true,
54     bookmarksnumbered=true]{hyperref}
55 \if@english
56     \RequirePackage[english]{babel}
57 \fi
58 \if@german
59     \RequirePackage[ngerman]{babel}
60 \fi

```

6.3 Page Geometry

```

61 \geometry{a4paper,twoside=false}
62 \newlength{\factpageouter}
63 \newlength{\factpageinner}
64 \newlength{\factpagetop}
65 \newlength{\factpagebottom}
66 \newlength{\factpagewidth}
67 \newlength{\factgraphicswidth}
68 \newlength{\testl}
69 \setlength{\factpageouter}{25mm}
70 \setlength{\factpageinner}{25mm}
71 \setlength{\factpagetop}{8mm}

```

Needed so that page numbers do not slide down too far.

```

72 \setlength{\factpagebottom}{30mm}

```

Rest of page geometry layout:

```

73 \setlength{\factpagewidth}{\paperwidth}
74 \addtolength{\factpagewidth}{-\factpageinner}
75 \addtolength{\factpagewidth}{-\factpageouter}
76 \setlength{\factgraphicswidth}{50mm}
77 \geometry{outer=\factpageouter,inner=\factpageinner,%
78     top=\factpagetop,    bottom=\factpagebottom}
79
80 \let\newcol\newpage

```

A box for storing the current page number so that its width can be measured.

```

81 \newsavebox\fs@pagenumberbox

```

We put the entire page inside a minipage environment to make it not take up more space than a single page. We also set the height of that minipage to zero so that it stays on the first page no matter how much content is put inside it.

```
82 \newenvironment{factpage}
83   {\noindent\begin{minipage}[t][0pt]{\factpagewidth}}
84   {\end{minipage}}
```

6.4 Headings

Redefine Section Headings to not be numbered by default. This is done by adding a * after its sixth argument. The rest of the command is similar to what can be found in The LaTeX article.cls file.

```
85 \renewcommand\section{\@startsection {section}{1}{\z@}%
86                                     {-2.5ex \@plus -1ex \@minus -.2ex}%
87                                     {1ex}%
88                                     {%1ex \@plus.2ex}% default
89                                     {\large\bfseries\color{title}}*}
```

Having subsections or even lower-tiered headings in a document such as this one would be ridiculous. Remove them to make sure they are not used.

```
90 \let\subsection\@undefined
91 \let\subsubsection\@undefined
92 \let\paragraph\@undefined
93 \let\subparagraph\@undefined
```

6.5 Dictionaries

```
94 \iflanguage{english}{%
95   \newcommand*{\lang@team}   {\textbf{Project Team: }}
96   \newcommand*{\lang@client} {\textbf{Client: }}
97   \newcommand*{\lang@coach}  {\textbf{Coach: }}
98   \newcommand*{\lang@coaches} {\textbf{Coaches: }}
99   \newcommand*{\lang@expert} {\textbf{Expert: }}
100  \newcommand*{\lang@experts} {\textbf{Experts: }}
101  \newcommand*{\lang@partner} {\textbf{Industry Partner: }}
102  \newcommand*{\lang@partners} {\textbf{Industry Partners: }}
103  \newcommand*{\lang@source}  {\textit{Source: }}
104 }{}
105 \iflanguage{ngerman}{%
106   \newcommand*{\lang@team}   {\textbf{Arbeitsgruppe: }}
107   \newcommand*{\lang@client} {\textbf{Auftraggeber: }}
108   \newcommand*{\lang@coach}  {\textbf{Betreuer: }}
109   \newcommand*{\lang@coaches} {\textbf{Betreuer: }}
110   \newcommand*{\lang@expert} {\textbf{Experte: }}
111   \newcommand*{\lang@experts} {\textbf{Experten: }}
112   \newcommand*{\lang@partner} {\textbf{Industriepartner: }}
113   \newcommand*{\lang@partners} {\textbf{Industriepartner: }}
```

```

114 \newcommand*{\lang@source} {\textit{Quelle: }}
115 }{}

```

Save those terms in the appropriate macros.

```

116 \newcommand*{\team}[1]
117   {%
118     \gdef\@team    {%
119       {%
120         \footnotesize\color{parties}%
121         \lang@team%
122         #1%
123       }
124     }%
125     \if@tocteam\gdef\@tocteam {#1}\fi%
126   }
127 \newcommand*{\client}[1]
128   {\gdef\@client {{\footnotesize\color{parties}\lang@client#1}}}
129 \newcommand*{\coach}[1]
130   {\gdef\@coach  {{\footnotesize\color{parties}\lang@coach#1}}}
131 \newcommand*{\coaches}[1]
132   {\gdef\@coaches {{\footnotesize\color{parties}\lang@coaches#1}}}
133 \newcommand*{\expert}[1]
134   {\gdef\@expert  {{\footnotesize\color{parties}\lang@expert#1}}}
135 \newcommand*{\experts}[1]
136   {\gdef\@experts {{\footnotesize\color{parties}\lang@experts#1}}}
137 \newcommand*{\partner}[1]
138   {\gdef\@partner {{\footnotesize\color{parties}\lang@partner#1}}}
139 \newcommand*{\partners}[1]
140   {\gdef\@partners{{\footnotesize\color{parties}\lang@partners#1}}}
141 \newcommand*{\projtype}[1]
142   {\if@tocprojtype\gdef\@projtype{#1}\fi}

```

6.6 Maketitle

```

143 \renewcommand\maketitle{\par
144   \begingroup
145     {\Huge\color{title}\@title}\par
146     \vspace{2em}
147     \global\let\maketitle\relax
148     \global\let\@maketitle\relax
149     \global\let\title\relax
150     \global\let\date\relax
151     \global\let\@title\@empty
152     \global\let\@date\@empty
153   \endgroup
154 }

```

6.7 Placeholder Pictures for Testing

```

155 \newlength{\placeholderbase}
156 \newcommand\placeholderpics{%
157   \setlength{\placeholderbase}{48mm}

```

```

158 \begin{tikzpicture}[x=\placeholderbase,y=\placeholderbase,draw=black!50!white,very t
159 \draw (0,0) -- (1.618,1);
160 \draw (0,1) -- (1.618,0);
161 \draw (0,0) -- (1.618,0) -- (1.618,1) -- (0,1) -- cycle;
162 \node[draw,fill=white] at (0.809,0.5) {\large Beautiful Pic-
ture!};
163 \end{tikzpicture}
164 \begin{tikzpicture}[x=\placeholderbase,y=\placeholderbase,draw=black!50!white,very t
165 \draw (0,0) -- (1.618,1);
166 \draw (0,1) -- (1.618,0);
167 \draw (0,0) -- (1.618,0) -- (1.618,1) -- (0,1) -- cycle;
168 \node[draw,fill=white] at (0.809,0.5) {\large Amazing Graph-
ics!};
169 \end{tikzpicture}\par
170 {\footnotesize Beautiful Picture and Amazing Graphics}
171 }

```

6.8 Content Macros

Store the contents of `\fscontent` in `\fs@content`

```
172 \newcommand\fscontent[1]{\gdef\fs@content{\graphicspath{\fs@graphicspath}\#1}}
```

Print the contents of `\fs@content`

```

173 \newcommand\fs@makecontent{\par
174 \vspace{1em}\begin{multicols}{3}
175 \ifdef{\fs@content}{\fs@content}\par
176 \end{multicols}
177 }

```

Store the contents of `\fssummary` in `\fs@summary`

```
178 \newcommand\fssummary[1]{\gdef\fs@summary{\#1}}
```

Print the contents of `\fs@summary`

```

179 \newcommand\fs@makesummary{\par
180 \vspace{0.25em}\noindent\begin{minipage}{\textwidth}\large
181 \ifdef{\fs@summary}{\color{summary}\fs@summary}\par
182 \end{minipage}%
183 }

```

Store the contents of `\fsgraphics` in `\fs@graphics`

```

184 \newcommand\fsgraphics[1]{\gdef\fs@graphics{\graphicspath{\fs@graphicspath}\#1}}
185 \newcommand\graphicssource[1]{\gdef\fs@graphicssource{\#1}}

```

Put the contents of `\graphicscaption` inside an `\mbox` so that it does not wrap.

```
186 \newcommand\graphicscaption[1]{\mbox{\#1}}
```

Print the contents of `\fs@graphics`

```

187 \newcommand\fs@makegraphics{\par
188 \vspace{1em}\noindent\begin{minipage}[b]{\textwidth}%
189 \footnotesize\raggedright
190 \ifdef{\fs@graphics}{\fs@graphics}\par\par

```

```

191     \ifdef{\fs@graphicscaption}{\fs@graphicscaption}\par
192 \end{minipage}%
193 \begin{minipage}[t]{2ex}\footnotesize\color{parties}
194     \ifdef{\fs@graphicssource}{%
195         \hspace*{2ex}%
196         \turnbox{90}{%
197             \hspace*{2ex} \lang@source \fs@graphicssource}}\par
198 \end{minipage}%
199 }

```

Store the content of \infobox and print it:

```

200 \newcommand\infobox[2]{%
201     \gdef\fs@infoboxtitle{#1}%
202     \gdef\fs@infoboxcontent{\graphicspath{\fs@graphicspath}\footnotesize #2}%
203 }
204 \newcommand\fs@makeinfobox{
205     \begin{tcolorbox}[
206         title=\fs@infoboxtitle,
207         width=0.66\textwidth,
208         arc=0mm,
209         before=,
210         after=\hfill]
211         \fs@infoboxcontent
212     \end{tcolorbox}
213 }
214 \newcommand\tightlist{%
215     \setlength{\itemsep}{0pt}\setlength{\parskip}{0pt}%
216 }

```

6.9 Errors

```

217 \newcommand\fs@checkinput{%
218     \ifdef{\@coach}{%
219         \ifdef{\@coaches}{%
220             \ClassError{fhnwfactsheet}{Both 'coach' and 'coaches' field de-
221 fined. Undefine one.}
222             {Both the 'coach' and the 'coaches' field are defined. Only one of them
223 }}}%
224     \ifdef{\@expert}{%
225         \ifdef{\@experts}{%
226             \ClassError{fhnwfactsheet}{Both 'expert' and 'experts' field de-
227 fined. Undefine one.}
228             {Both the 'expert' and the 'experts' field are defined. Only one of them
229 }}}%
230     \ifdef{\@partner}{%
231         \ifdef{\@partners}{%
232             \ClassError{fhnwfactsheet}{Both 'partner' and 'partners' field de-
233 fined. Undefine one.}

```

```

233             {Both the 'partner' and the 'partners' field are de-
234             fined. Only one of them should be.}
235         }{}%
236     \ifdef{\fs@infoboxcontent}{}
237         {%
238             \ClassError{fhnwfactsheet}{Did you forget to specify your in-
239             fobox?}
240             {The infobox contents are not defined. Make sure your in-
241             fobox command is properly called.}
242         }%
243     \ifdef{\fs@infoboxtitle}{}
244         {%
245             \ClassError{fhnwfactsheet}{Did you forget to specify your in-
246             fobox?}
247             {The infobox title is not defined. Make sure your infobox com-
248             mand is properly called.}
249         }%
250     }

```

6.10 Chapter Code

Taken mostly from `classes.dtx`.

```

247 \renewcommand\chapter{%\if@openright\cleardoublepage\else\clearpage\fi
248             \thispagestyle{plain}%
249             \global\@topnum\z@
250             \@afterindentfalse
251             \secdef\@chapter\@schapter}
252 \def\@chapter[#1]#2{\ifnum \c@secnumdepth >\m@ne
253             \refstepcounter{chapter}%
254             \typeout{\@chapapp\space\thechapter.}%
255             \addcontentsline{toc}{chapter}{#1}%
256             %\protect\numberline{\thechapter}#1}%
257         \else
258             \addcontentsline{toc}{chapter}{#1}%
259         \fi
260         \chaptermark{#1}%
261         \addtocontents{lof}{\protect\addvspace{10\p@}}%
262         \addtocontents{lot}{\protect\addvspace{10\p@}}%
263         \if@twocolumn
264             \topnewpage[\@makechapterhead{#2}]%
265         \else
266             \@makechapterhead{#2}%
267             \@afterheading
268         \fi}
269 \def\@makechapterhead#1{%
270     \begin{group}
271         \mbox{\Huge\color{title}#1}\par
272         \vspace{2em}
273     \end{group}

```

```

274 }
275 \def\@makeschapterhead#1{%
276   \vspace*{50\p@}%
277   {\parindent \z@ \raggedright
278     \normalfont
279     \interlinepenalty\@M
280     \Huge\color{title} #1\par\nobreak
281     \vskip 40\p@
282   }}
283 \renewcommand*\l@chapter[2]{%
284   \ifnum \c@tocdepth >\m@ne
285     \addpenalty{-\@highpenalty}%
286     \vskip 1.0em \@plus\p@
287     \setlength\@tempdima{1.5em}%
288     \begingroup
289       \parindent \z@ \rightskip \@pnumwidth
290       \parfillskip -\@pnumwidth
291       \leavevmode
292       \advance\leftskip\@tempdima
293       \hskip -\leftskip
294       %\@dottedtocline{0}{0em}{0em}{#1}{#2}\par
295       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
296       \penalty\@highpenalty
297     \endgroup
298   \fi}

```

6.11 Including Content File in Master Document

```

299 \newcommand*\includefactsheet[2][]{%
300   \input{#1#2}%
301   \if@fspath%
302     \sbox{\fs@pagenumberbox}{\thepage}
303     \gdef\fs@factsheetdirectory{#1}%
304   \fi%
305   \gdef\fs@graphicspath{#1}%
306   \makefactsheet%
307   \newpage}

```

6.12 Output Routine

```

308 \newcommand\makefactsheet{%
309   \begin{factpage}
310     \fs@checkinput
311     \chapter
312       [\ifdef{\@tocteam}{\@tocteam: }{\@title\ifdef{\@projtype}{ \textbf{(\@proj
313         {\@title}
314         % Must be after \chapter
315         % Note: We do not want to overwrite the \chapter pagestyle{plain} ev-
316         \thispagestyle{empty}

```

```

317     \fs@makesummary
318     \vspace{1ex}
319     \fs@makegraphics
320     \vspace{1ex}
321     \fs@makecontent
322     \vspace{1ex}
323     \tcbset{
324         colback=boxbg,
325         colframe=title,
326         boxrule=0.5pt,
327         toptitle=2pt,
328         bottomtitle=1pt,
329         titlerule=0.5pt,
330     }
331     \fs@makeinfobox
332     \begin{minipage}[b]{0.30\textwidth}
333         \ifdef{\@team}{\@team}{}\par
334         \ifdef{\@client}{\@client}{}\par
335         \ifdef{\@coach}{\@coach}{}\par
336         \ifdef{\@coaches}{\@coaches}{}\par
337         \ifdef{\@expert}{\@expert}{}\par
338         \ifdef{\@experts}{\@experts}{}\par
339         \ifdef{\@partner}{\@partner}{}\par
340         \ifdef{\@partners}{\@partners}{}\par
341     \end{minipage}
342 \end{factpage}%
343 \raisebox{6ex}{%
344     \hspace{3em}%
345     \thepage%
346     \if@fspath%
347         \hspace{-\textwidth}%
348         \hspace{-3em}%
349         \hspace{-\wd\fs@pagenumberbox}%
350         {\color{parties}\fs@factsheetdirectory}%
351     \fi}
352 % Undefine for next fact sheet
353 \let\fs@graphics\@undefined
354 \let\fs@graphicssource\@undefined
355 \let\fs@graphicscaption\@undefined
356 \let\@team\@undefined
357 \let\@tocteam\@undefined
358 \let\fs@factsheetdirectory\@undefined
359 \let\@projtype\@undefined
360 \let\@client\@undefined
361 \let\@coach\@undefined
362 \let\@coaches\@undefined
363 \let\@expert\@undefined
364 \let\@experts\@undefined
365 \let\@partner\@undefined

```



```

366 \let\@partners\@undefined
367 \let\fs@infoboxtitle\@undefined
368 \let\fs@infoboxcontent\@undefined
369 }

```

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