



Computational Aircraft Prototype Syntheses Documenting AIMs For ESP Rev 1.29

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In *exercises/session07/doc* you will find:

- `aim_dox.cfg` – the **doxygen** configure file
- `aim_footer.html`
- `aim_header.html`
- the directory `aim_images` – the location for images
- `aim_layout.xml`
- `aim_stylesheet.css`
- the directory `aim_text` – the location for including text files

The colored files do not require modification

This contains a set of variables at the top that need assignment:

- PROJECT_NAME – Title for the AIM
- PROJECT_BRIEF – Short Description for the AIM
- INPUT – The source file

See `exercises/session07/doc/aim_dox.cfg`

Text for the documentation is scraped from comments found in the source file specified by INPUT

The comments are of the form:

```
/*!\page customIndex
 *
 * \section sectionName "section description"
 *
 * ...text...
 *
 * the following can be use to include text
 * @verbatiminclude file.txt
 *
 * the following can be used to insert an image (width of 800 pixels)
 * \image html file.png width=800px
 *
 */
```

See [exercises/session07/myAIM.c](#)

The following sections are required:

- `aimOverview` *Recommended Location:*
at the top of the source
- `aimAttributes`
- `aimUnits`
- `aimInputs` as part of `aimInputs`
- `aimExecute` in `aimExecute` (if exists)
- `aimOutputs` as part of `aimOutputs`
- `aimExamples` at the end of the file
- `aimNotes`

See `exercises/session07/myAIM.c`

- Document the AIM that we have been building using `exercises/session07/myAIM.c` as a template