Coding Style

- for directory names use _ for blank space. In the app title (see formatting hints below) use a real blank. **do not use – or CamelCase style**

Developer Workflow

The following points are important for all developers.

- Apps that are not executable using `bokeh serve --show app_directory` should **not** be pushed to master, you may use a branch for experimental apps.
- Develop app in directory format (see http://bokeh.pydata.org/en/latest/docs/user_guide/server.html#directory-format).
- Use the **same** name for the directory and the title of the app. The title of the app shall explain the mechanical content - not the method of visualization. (e.g. use "conservation of momentum" instead of "boat with three swimmers"). See also coding style above.
- Lanuage: The Language of everything (titles, explanations, comments in code, etc.) within the whole project is **English**!
- Avoid global variable!
- For the description file, formulas can be added with the aid of MathJax http://docs.mathjax.org/en/latest/start.html
- If your app is completed ask your supervisor whether there are any additional improvements to be done or if the app is ready for publication.
- Write a mail to Francesca that your app is ready for publication.

Francesca Final Acceptance and Publication

The following points are executed by Francesca only.

- Make sure that the status of finalized apps is updated in `Mechanic_Apps/README.md` (done by Francesca)
- Add description of app and a matching tooltip on overview page
  - put app in the right position in the hierarchy (semester, lecture).
- Add app directory name to `appnames.conf`.
  - Maintain alphabetical order.
- Test setup by starting the server locally (`Mechanic_Apps.exe`):
  - Is the app working?
  - Can you access the app from the overview page?
- Publish new app to server:
  - Push to master branch from local machine
  - Pull from git on server
  - Relauch server using `server_autorun.exe`.

Formatting hints

- We use `curdoc().title = "Appname"` for defining the title. This title can be seen, for example in the Tab title of the browser. Your directory name should comply with the standard defined above. Use `curdoc().title = split(dirname(__file__))[-1].replace('_',' ').replace('-',' ')` This gets path of parent directory and only uses the name of the Parent Directory for the app title name. Then it replaces underscores '_' and minuses '-' with blanks ' '.