API Requirements

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|  | Method | URL | Description |
| 1 | GET |  | Open lua code into editor.  Input - input file name  Output - file content |
| 2 | POST |  | Create code from scratch. (needs discussion)  Input - new file content  Output - acknowledgement / confirmation |
| 3 | POST |  | Edit and update code/ save code  Input - changed file content, file name  Output - update existing file/ make a copy of existing file (needs discussion) |
| 4 | POST |  | Save code.  Input - file content  Output - acknowledgement/ confirmation |
| 5 | POST |  | Create simulation.  Input - file content  Output - resultant bp files |
| 6 | GET |  | List my files (for a logged in user)  Output - list of files |
| 7 | GET |  | List of my running simulations.  Output - list of running simulations |
| 8 | GET |  | List resultant files of completed simulations.  Input - job id  Output - resultant bp files. |
| 9 | GET |  | Status of a running simulation .  Input - simulation/job id  Output - status |
| 9 | POST |  | Do we need abort simulation? - needs discussion |
| 10 | GET |  | Plotting (for a single bp file or multiple files)  Input - bp filename, plot id |
| 11 | GET |  | Login |
| 12 | POST |  | Registration |