**YesWorkflow Model**

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| **Entity** | **Attributes** | **Description** |
| yw: Program | rdfs: label | Program name |
| rdfs: comment | Program description |
| yw: hasSubProgram yw: Program | What are the sub programs? |
| yw: hasInPort yw: Port | What are the ports that coming in the program? |
| yw: hasOutPort yw: Port | What are the ports that going out from the program? |
| yw: Workflow | rdfs: label | Workflow name |
| rdfs: comment | Workflow description |
| yw: hasSubProgram yw: Program | What are the programs belong to the workflow? |
| yw: hasInPort yw: Port | What are the ports that coming in the workflow? |
| yw: hasOutPort yw: Port | What are the ports that going out from the program? |
| yw: Port | rdfs: label | Port name normally is the name appears before the @as annotation |
| yw: portType | Values “in”/”out”/”param” |
| yw: connectsTo yw: Data | What is the channel connect to the port? |
| yw: Data | rdfs: label | Name of the data: normally is the name appears after the @as annotation |
| rdfs: comment | Description of the data |
| yw:hasSubClass yw:DataFile | If the data has URI associated with it, this attribute will indicate that the data has a data file, which stores the URI. |
| yw: DataFile  (subclass of Data) | yw:filePath | URI template |
| yw: isAssociatedWith yw: Data | If the URI include information about other data associated with the file, it will indicate here. |