Naming Convention

Historically, benchmark names in the Swift Benchmark Suite were derived from the name of the `runFunction`, which by convention started with prefix `run_`, followed by the benchmark name. Therefore most of the legacy benchmark names conform to the `UpperCamelCase` convention. After introduction of `BenchmarkInfo` to describe the benchmark metadata, names can be any string. To create more cohesive and well structured system, names of newly added benchmarks should meet the following set of requirements:

- **Letters, numbers and dots.** Start with short unique name in `UpperCamelCase`. For a family of benchmarks, separate the name components with periods.
  - ▶ Details

- **Use groups and variants** to structure the benchmark family by degrees of freedom (e.g. different types implementing a protocol, value vs. reference types etc.). Use **numbered suffixes** to denote differently sized variants.
  - ▶ Details

- **Groups, variants and types are** `UpperCase`, **methods are** `lowerCase`.
  - ▶ Details

- **Keep it short.** 40 characters at most. Abbreviate if necessary.
  - ▶ Details

Technically, the benchmark's name must match the following regular expression: `[A-Z][a-zA-Z0-9\-.!?]+`