UML Class Diagram

Router
```
+dispatcher: Dispatcher
```
```
+getDispatcher(): Dispatcher
+setupDispatcher()
-setQuizRoutes(r: RouteCollector)
-setQuestionRoutes(r: RouteCollector)
```

RouteFactory
```
+parseControllerName(string controllerName): string
+fromResourceController(string controllerName, RouteCollector $r)
```

SessionFactory
```
+fromCookie(array cookie): Session
```

View
```
+render(string template, array data)
```

Session
```
-id: string
```
```
+getId(): string
+setId(id: string)
```

Singleton
```
-instances: array
```
```
+getInstances(): Singleton
```

Note: table has to be defined in every class that extends Model because in PHP we cannot redefine static fields

HttpRequest
```
-headers: array
-method: string
-session: Session
-bodyData: session
-protocolVersion: float
-uri: string
```
```
+getHeaders(): array
-setHeaders(headers: array)
+getHeader(name: string): mixed
+setHeader(name: string, mixed value)
+getMethod(): string
-setMethod(method: string)
+getSession(): Session
-setSession(session: Session)
+getBodyData()
-setBodyData(data: array)
-fetchBodyData()
+getProtocolVersion(): double
-setProtocolVersion(version: double)
+fetchProtocolVersion()
+getUri(): string
-setUri(uri: string)
```

DB
```
-dsn: string
-username: string
-password: string
-connection: PDO
```
```
+getConnection(): PDO
+selectOne(string query, array args, string class ): null | array | Model
+selectMany(string query, array args, string class): boolean | array
+insert(string query, array args): boolean | int
+execute(string query, array args): int
```

Model
```
#connector: DB
#primaryKey: string
```
```
+make(array fields): null|Model
+all(): array
+create(): boolean
+find(int id): null|Model
+where(string column, mixed value): array
+save(): boolean
+delete(): boolean
+destroy(id: int): bool
```

ResourceController
```
#view: View
```
```
+index()
+create()
+store(request: HttpRequest)
+show(id: int)
+edit(id: int)
+update(request: HttpRequest, id: int)
+destroy(id: int)
```

LooperController
```
-view: View
```
```
+index()
```

QuestionController

QuizController

Question
```
#table: string
+id: int
+label: string
+question_type_id: int
+quiz_id: int
```

QuestionType
```
#table: string
+id: int
+label: string
```

Quiz
```
#table: string
+id: int
+title: string
+is_public: int
+quiz_state_id: int
```

Answer
```
#table: string
+id: int
+value: string
+question_id: int
+date: string
```