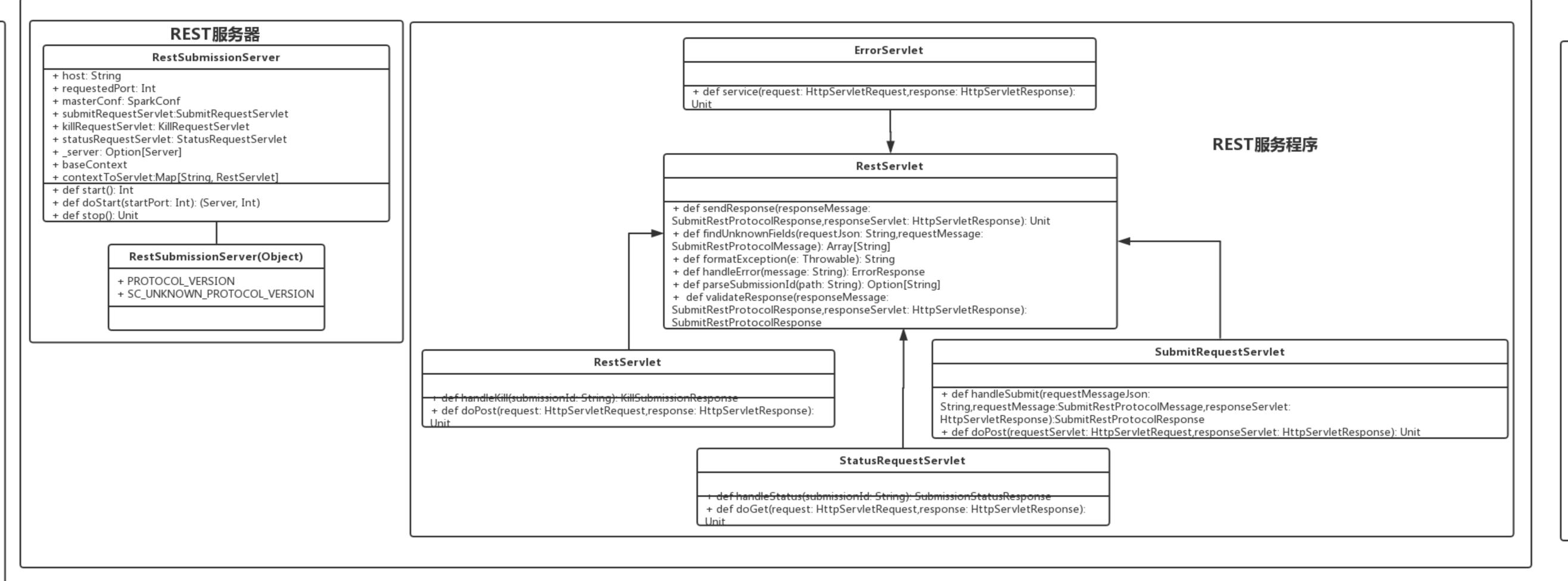
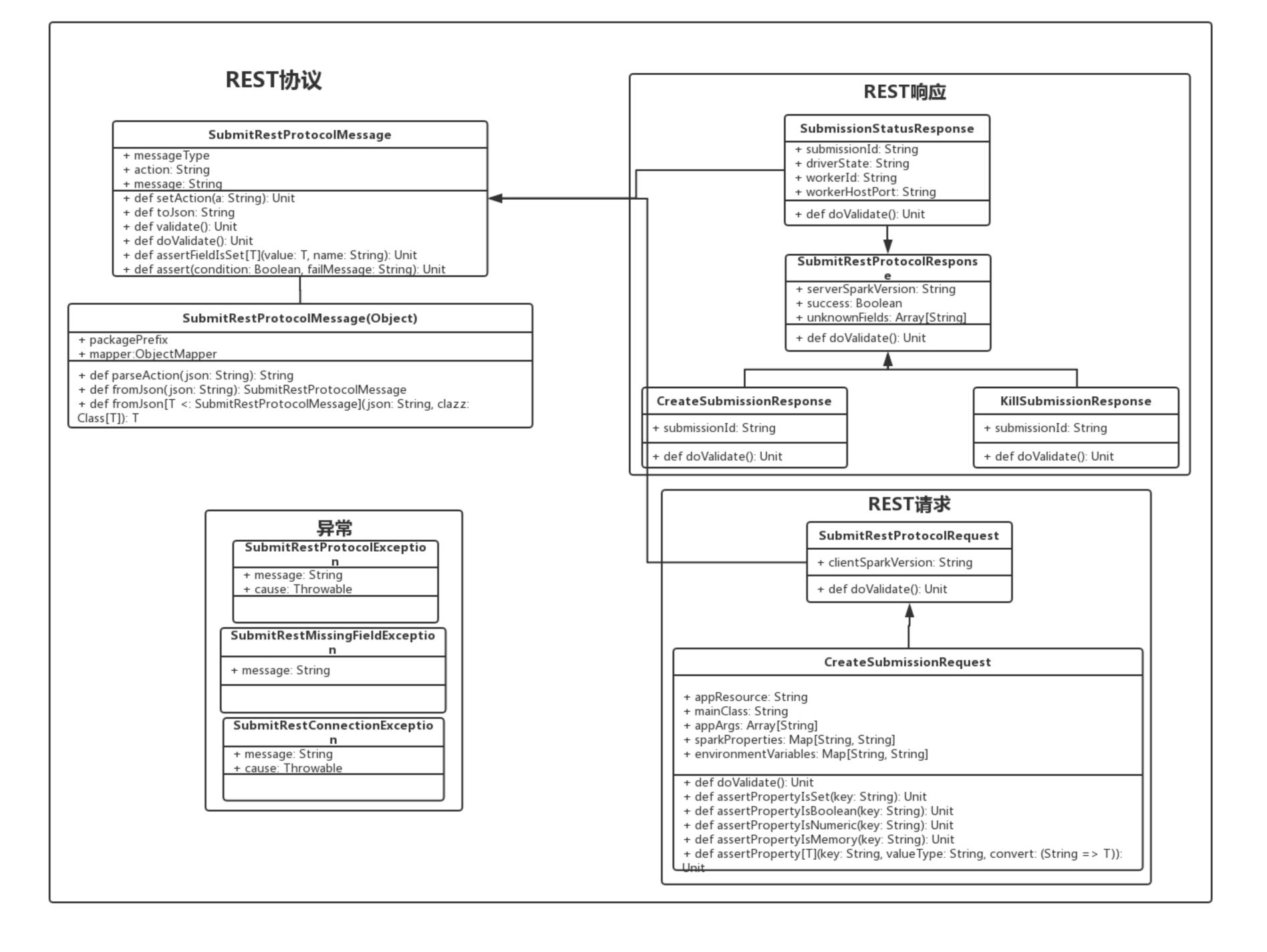
REST客户端 RestSubmissionClient + master: String + masters: Array[String] + lostMasters:HashSet[String] + def createSubmission(request: CreateSubmissionRequest): SubmitRestProtocolResponse + def killSubmission(submissionId: String): SubmitRestProtocolResponse + def requestSubmissionStatus(submissionId: String,quiet: Boolean = false): SubmitRestProtocolResponse + def constructSubmitRequest(appResource: String, mainClass: String, appArgs: Array[String], sparkProperties: Map[String, String], environmentVariables: Map[String, String]): CreateSubmissionRequest + def get(url: URL): SubmitRestProtocolResponse + def post(url: URL): SubmitRestProtocolResponse + def postJson(url: URL, json: String): SubmitRestProtocolResponse + def readResponse(connection: HttpURLConnection): SubmitRestProtocolResponse + def getSubmitUrl(master: String): URL + def getKillUrl(master: String, submissionId: String): URL + def getStatusUrl(master: String, submissionId: String): URL + def getBaseUrl(master: String): String + def validateMaster(master: String): Unit + def reportSubmissionStatus(submitResponse: CreateSubmissionResponse): Unit + def pollSubmissionStatus(submissionId: String): Unit + def handleRestResponse(response: SubmitRestProtocolResponse): Unit + def handleUnexpectedRestResponse(unexpected: SubmitRestProtocolResponse): Unit + def handleConnectionException(masterUrl: String): Boolean RestSubmissionClient(Object) + supportedMasterPrefixes + BLACKLISTED_SPARK_ENV_VARS + REPORT_DRIVER_STATUS_INTERVAL + REPORT_DRIVER_STATUS_MAX_TRIES + PROTOCOL VERSION = "v1" + def filterSystemEnvironment(env: Map[String, String]): Map[String, + def supportsRestClient(master: String): Boolean RestSubmissionClientApp + def start(args: Array[String], conf: SparkConf): Unit + def run(appResource: String, mainClass: String, appArgs: Array[String], conf: SparkConf,

env: Map[String, String] = Map()): SubmitRestProtocolResponse





独立REST服务器

StandaloneRestServer

+ host: String

- + requestedPort: Int
- + masterConf: SparkConf
- + masterEndpoint: RpcEndpointRef
- + masterUrl: String + submitRequestServlet
- + killRequestServlet
- + statusRequestServlet

StandaloneKillRequestServlet

- masterEndpoint: RpcEndpointRef
- conf: SparkConf
- + def handleKill(submissionId: String): Kill Submission Response

Standalone Status Request Servlet

- masterEndpoint: RpcEndpointRef
- conf: SparkConf
- + def handleStatus(submissionId: String): SubmissionStatusResponse

StandaloneSubmitRequestServlet

- masterEndpoint: RpcEndpointRef masterUrl: String

- conf; SparkConf
- requestMessageJson: String,
- request Message: Submit Rest Protocol Message,
- responseServlet: HttpServletResponse): SubmitRestProtocolResponse
- + def buildDriverDescription(request: CreateSubmissionRequest): Driver Description -