7个质量属性场景：

availability：

在正常运行中，心跳检测器 检测到 服务器的进程 没有响应，通知操作者继续操作，达到没有停机时间。

The heartbeat monitor determines that the server is nonresponsive during normal operations. The system informs the operator and continues to operate with no downtime.

Interoperability(互操作性) :

在系统已知的运行时优先级情况下，我们的汽车信息系统 发送实施地址信息 给 交通监控系统，交通监控器需要将现在的地址信息和其他信息组合起来，映射到Google地图上，并发布。我们的消息在时间上的准确率要达到99.9%

Our vehicle information system sends our current location to the traffic monitoring system. The traffic monitoring system combines our location with other information, overlays this information on a Google Map, and broadcasts it. Our location information is correctly included with a probability of 99.9%.

Modifiability(可修改性):

在设计的阶段，开发者想要通过修改代码来修改UI。完成修改及单元测试需要在3小时内完成。

The developer wishes to change the user interface by modifying the code at design time. The modifications are made with no side effects within three hours.

Performance(性能):

在正常操作情况下，从用户通过 系统 初始化事务 时，到事务被处理，平均延迟时间在2s以内。

Users initiate transactions under normal operations. The system processes the transactions with an average latency of two seconds.

Security(安全性):

在正常操作下，不满的员工 通过远程修改 系统内部数据，尝试修改支付工资。系统维护审计跟踪，确保正确的数据在一天之内被重新存储，篡改源被识别。

A disgruntled employee from a remote location attempts to modify the pay rate table during normal operations. The system maintains an audit trail and the correct data is restored within a day.

Testability(可测试性):

在开发时，当单元代码完成后，单元测试人员测试代码，在3小时内覆盖85%的路径

The unit tester completes a code unit during development and performs a test sequence whose results are captured and that gives 85% path coverage within 3 hours of testing.

Usability

在运行期间，用户下载一个新的应用。系统 应该使得使用者 在两分钟之内完成对系统的掌握，能够更有生产力地使用产品。

The user downloads a new application and is using it productively after two minutes of experimentation.