Stress test use case

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| UC | Stress test |
| Summary | Test with Apache JMeter how many streams a Raspberry Pi 2 can handle. |
| Actors | Raspberry Pi 2 and Laptop |
| Description flow | Start Apache JMeter and make a test case.  Start the Raspberry Pi stream  Run the test  Open webbrowser and webpage of Pi. See for the different HTTP techniques how the stream is working.  Open a media player and open RTMP stream to test how it is working. |
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RTMP stream test

CPU test

Video on demand test

SMIL test

Cassandra test

Research method

Another research method that is used is use case testing proposed by Ivar Jacobson \cite{jacobson1999unified}. A use case is a list of steps between a role and a user to achieve a goal. This technique is used for capturing functional requirements. There are textual, visual and structural modeling techniques for specifying use cases.