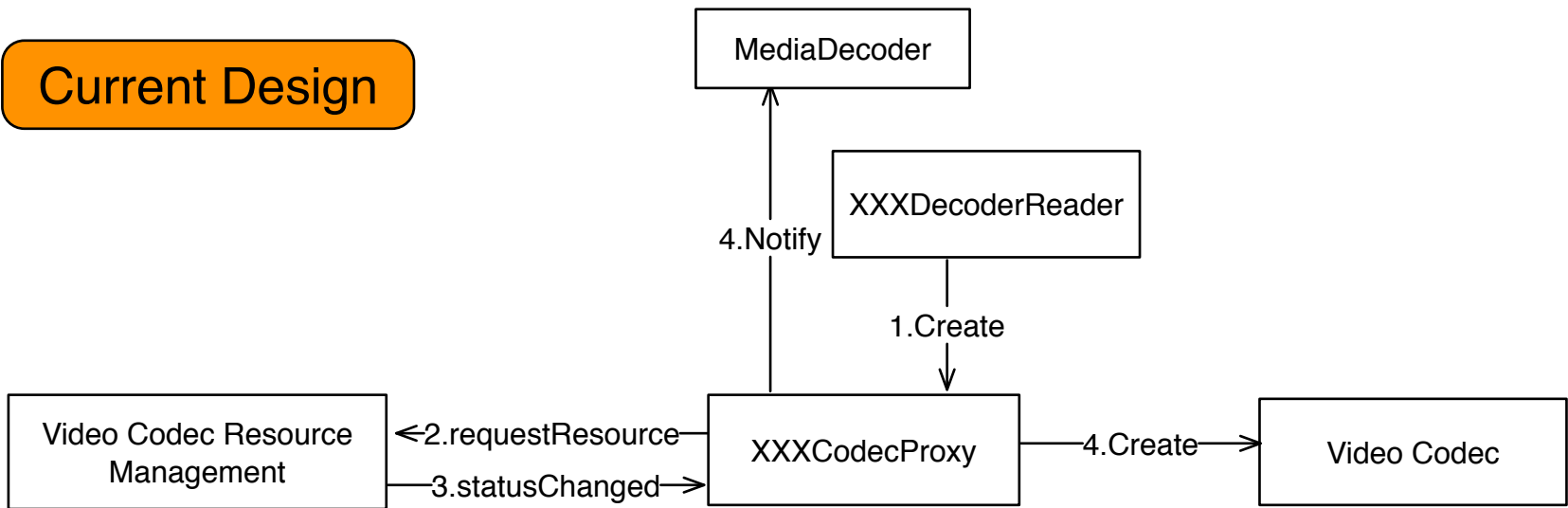


Video Codec Resource Management (VCRM)

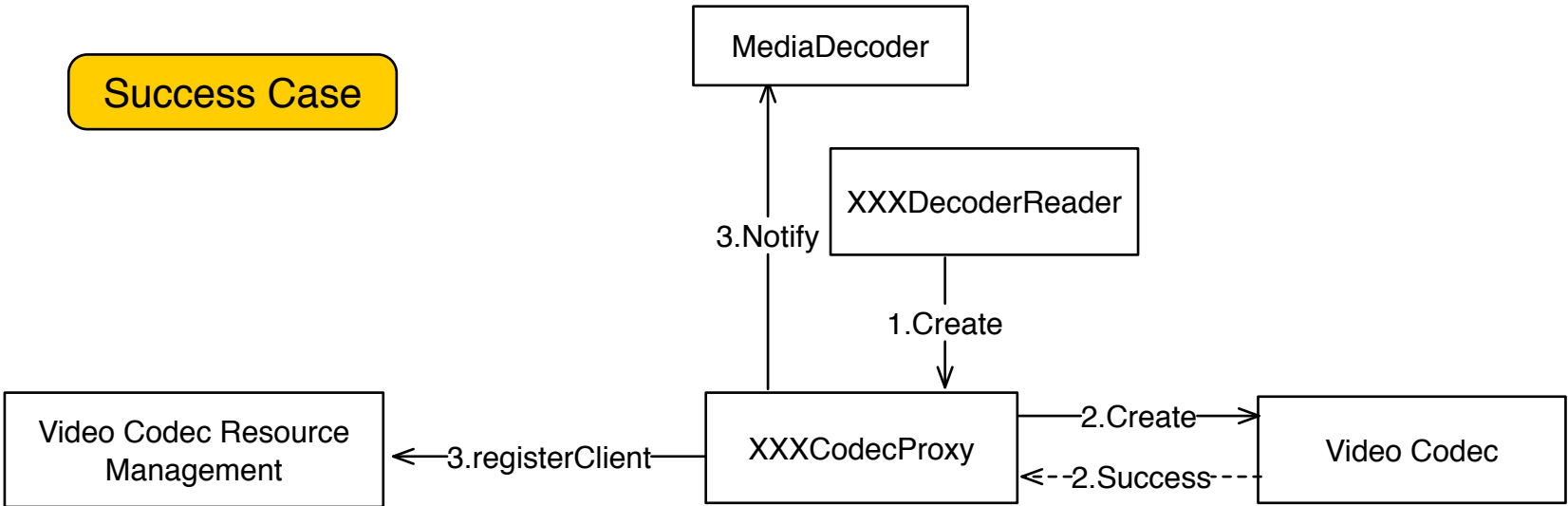
Current Design



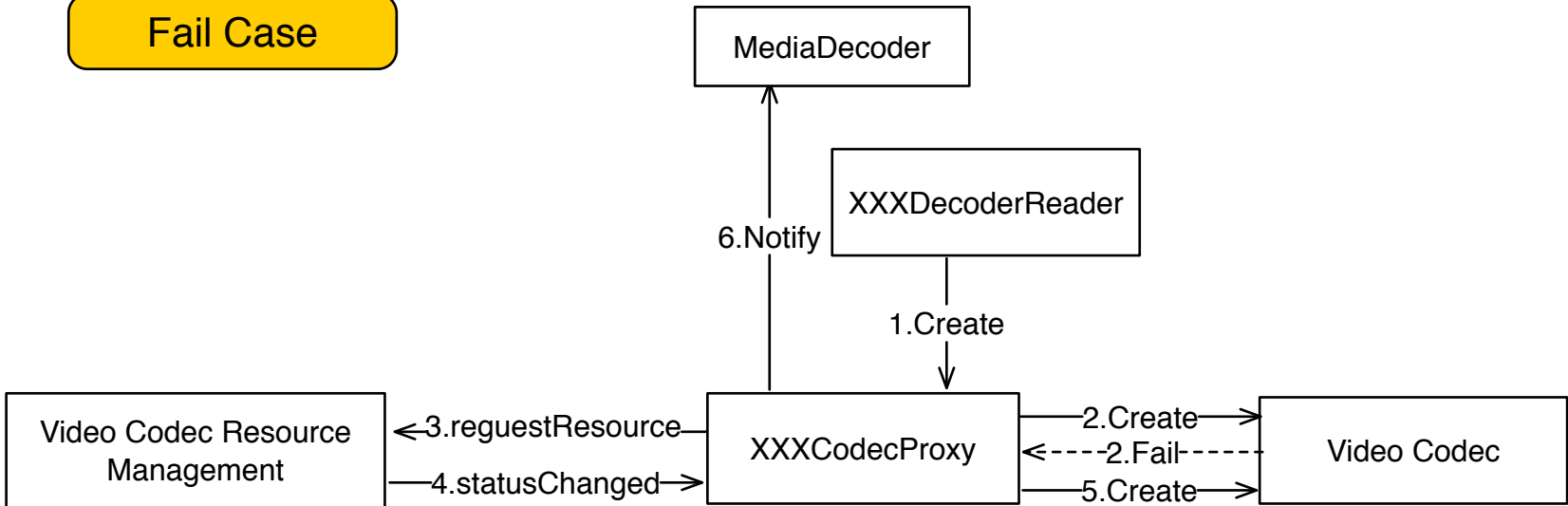
New Design

- Directly create codec
- If success, got to success case flow.
- If fail, go to fail case flow

Success Case



Fail Case



When requestResource() is called, VCRM will wait for an cancelClient event. VCRM will notify to the waiting client that some instance is released and CodecProxy can try to create codec again. If fail, return error (as original design). If succeed, the rest is the same to success case.