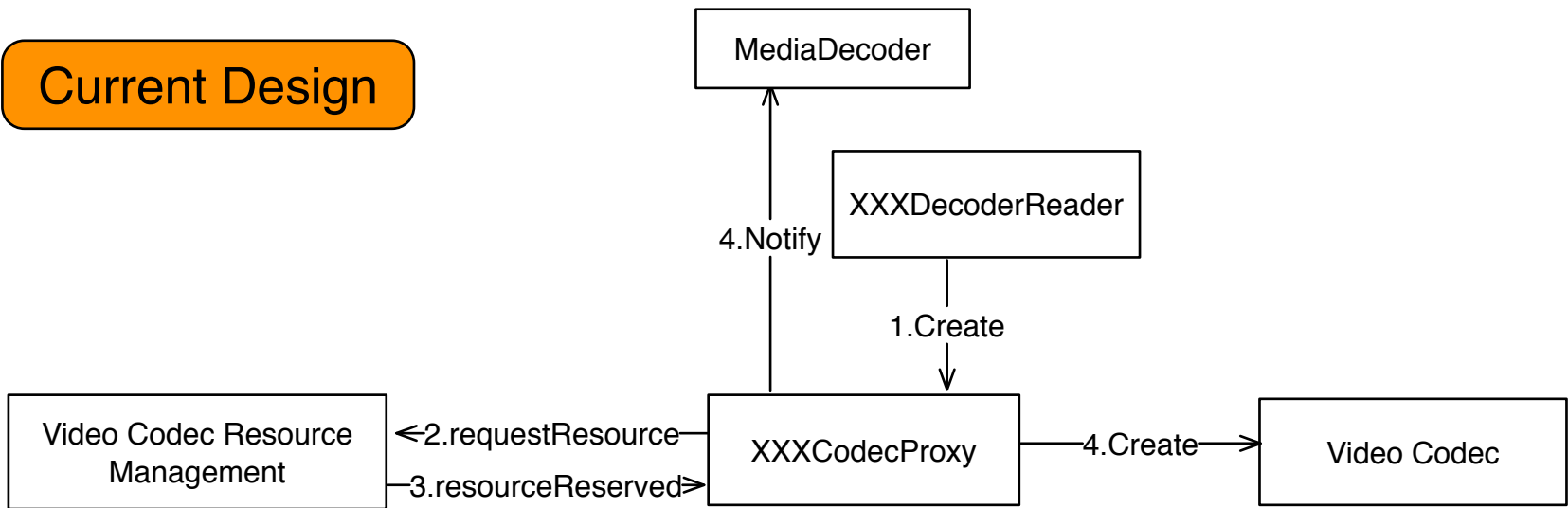


# Video Codec Resource Management (VCRM)

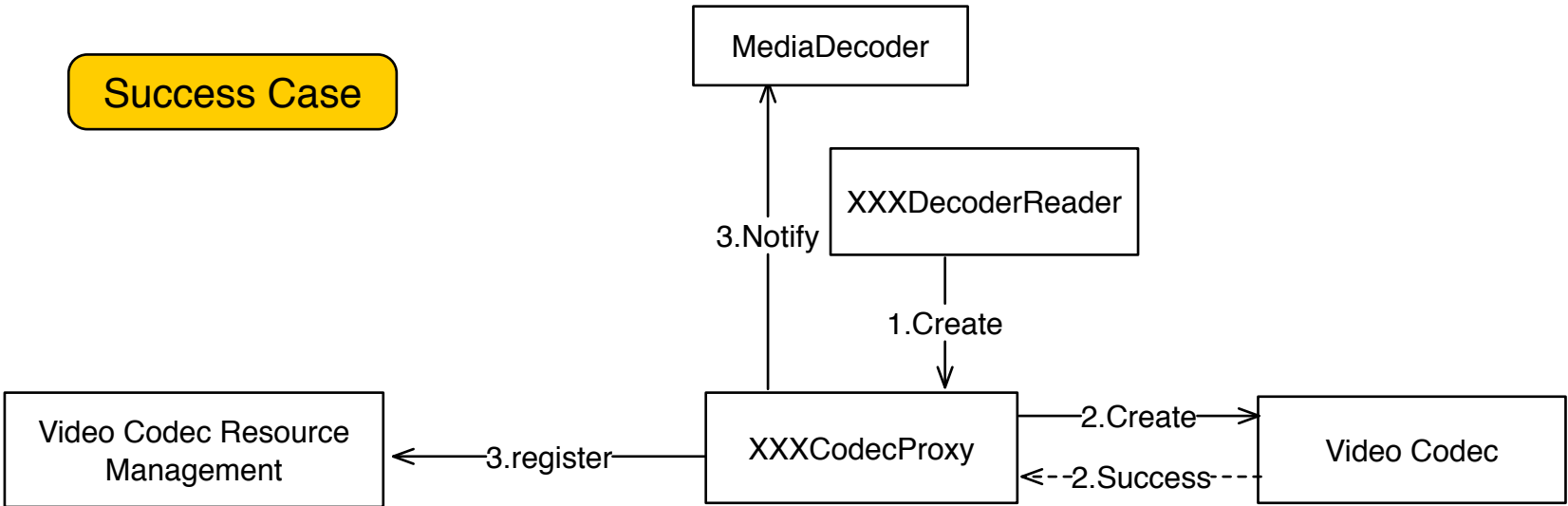
## Current Design



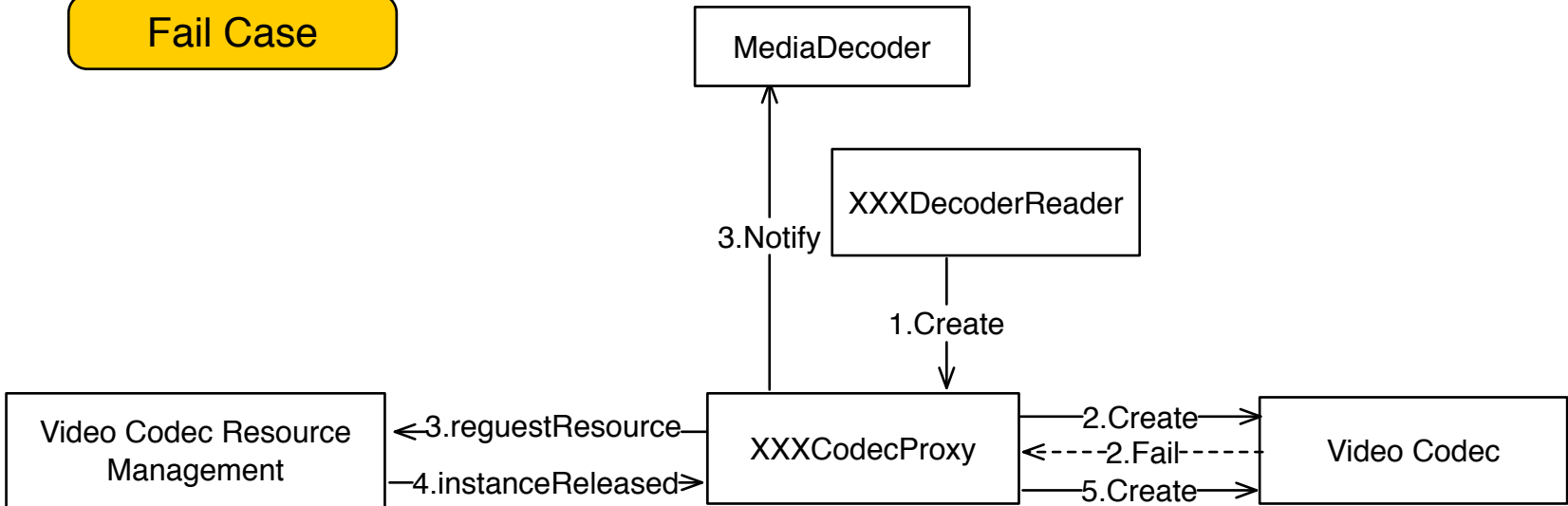
## New Design

- 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 unregister event. When someone unregisters himself to VCRM, VCRM will notify to the waiting client that some instance is released and CodecProxy can try to create codec again. If still fail, go to step 3 again. If succeed, go to the Success Case.