

## ANEXO I - Cenários principais de casos de uso

### ***Criar documento inicial***

1. O autor escolhe um *site* na ferramenta
2. O autor escolhe o vídeo principal na ferramenta.
3. O autor escolhe o arquivo SRT na ferramenta.
4. O autor clica em “Salvar”.
5. A ferramenta gera o documento inicial.

### ***Iniciar exibição da aplicação***

1. O telespectador recebe o documento inicial da emissora.
2. O agente de usuário (formatador) inicia o documento recebido.
3. <<Include>> “Editar documento”.

### ***Editar documento***

1. NCLua gerador recebe atribuição de propriedade *data*.
2. NCLua controlador recebe de NCLua *generator* o valor de *data*.
3. NCLua controlador envia para NCLua gerador de documento de preenchimento o valor de *data*.
4. <<Include>> “Gerar documento de preenchimento”
5. NCLua controlador envia para NCLua processador de *templates* o documento de preenchimento e o *template*.
6. NCLua processador de *templates* envia para NCLua controlador um objeto de composição do tipo contexto (*context*) com a estrutura lógica do documento.
7. NCLua controlador envia para NCLua gerador o contexto.
8. NCLua gerador adiciona, por comando de edição, o contexto recebido de NCLua processador de *templates*.

### ***Gerar documento de preenchimento***

1. NCLua gerador de documento de preenchimento faz a análise (parser) da propriedade *data*, extraindo informações de qual o vídeo principal e arquivo SRT a serem exibidos na aplicação.
2. NCLua gerador de documento de preenchimento gera o documento de preenchimento baseado nas informações extraídas de *data*.
3. NCLua controlador recebe o documento de preenchimento do NCLua gerador de documento de preenchimento.

### ***Navegar em menu de conteúdos relacionados***

1. O telespectador pressiona um botão para iniciar interatividade.
2. O telespectador navega pelo menu de sites através das teclas direcionais “esquerda” e “direita”.
3. O telespectador seleciona um site do menu.
4. O telespectador navega pelo menu de vídeos relacionados do site selecionado através das teclas direcionais “esquerda” e “direita”.
5. O telespectador seleciona um vídeo relacionado.
6. <<Include>> “Editar documento”.

## ANEXO II – Template SAGGA1

```
<context id="sagga_composite">
  <port id="p_interactivity" component="interactivity"/>
  <port id="p_interface" component="settings" interface="interface_data"/>
  <media id="interactivity" src="interativo.png" descriptor="dInteractivity"/>
  <media id="leftArrow" src="leftarrow.png" descriptor="dArrowLeft"/>
  <media id="rightArrow" src="rightarrow.png" descriptor="dArrowRight"/>
  <media id="luamenu" src="luamenu.lua" descriptor="dluamenu">
    <property name="numItems"/>
    <property name="prefix"/>
    <property name="data"/>
  </media>
  [! if components.srtLua ~= nil and #components.srtLua == 1 then
    for i,v in ipairs(components.srtLua) do
      !]
  <port id="p_luaSrt_[!i!]" component="srtLua_[!i!]" />
  <media id="srtLua_[!i!]" src="/luadir/mediaplayer_srt.lua" descriptor="dt_srtLua_[!i!]">
    <property name="path"/>
    <property name="color"/>
    <property name="font"/>
  </media>
  <link xconnector="saggaBase#onBeginSet">
    <bind role="onBegin" component="srtLua_[!i!]" />
    <bind role="set" component="srtLua_[!i!]" interface="color">
      <bindParam name="val" value="yellow"/>
    </bind>
    <bind role="set" component="srtLua_[!i!]" interface="path">
      <bindParam name="val" value="[!v.path!]" />
    </bind>
    <bind role="set" component="srtLua_[!i!]" interface="font">
      <bindParam name="val" value="vera"/>
    </bind>
  </link>

  <link xconnector="saggaBase#onBeginSet">
    <bind role="onBegin" component="interactivity"/>
    <bind role="set" component="settings" interface="service.currentFocus">
      <bindParam name="val" value="fl"/>
    </bind>
  </link>
</context>
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</bind>
</link>

<link id="l_mystop" xconnector="saggaBase#onEndAttributionStop">
  <bind role="onEndAttribution" component="settings" interface="interface_data"/>
  <bind role="stop" component="srtLua_[!i!]" />
  <bind role="stop" component="luamenu" />
  <bind role="stop" component="sagga_composite" />
</link>
[!end end!]
<link xconnector="saggaBase#onEndAttributionSet">
  <bind role="onEndAttribution" component="luamenu" interface="data"/>
  <bind role="get" component="luamenu" interface="data"/>
  <bind role="set" component="settings" interface="interface_data">
    <bindParam name="val" value="$get"/>
  </bind>
</link>
[! if components.mainVideo ~= nil and #components.mainVideo == 1 then
  for i,v in ipairs(components.mainVideo) do
    !]
    <port id="p_mainVideo_[!i!]" component="mainVideo_[!i!]" />
    <media id="mainVideo_[!i!]" type="video/mpeg" src="[!v.src!]"
descriptor="dt_mainVideo_[!i!]" />
    [! end end!]
  [!if components.related ~= nil then
    for i,v in ipairs(components.related) do
      !]
      <media id="site_[!i!]" src="[!v.preview!]" descriptor="dSite[!i!]" />
    [!end end!]
    <media id="settings" refer="main_settings">
      <property name="interface_data"/>
      [!if components.related ~= nil then
        for i,v in ipairs(components.related) do
          !]
          <property name="stop_related_site[!i!]" />
        [!end end!]
      </media>
      <link xconnector="saggaBase#onSelectionTestStopStart">
        <bind role="onSelection" component="interactivity">
          <bindParam name="keyCode" value="INFO"/>

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</bind>
<bind role="test" component="settings" interface="service.currentFocus">
  <bindParam name="var" value="fI"/>
</bind>
<bind role="stop" component="interactivity"/>
[! if components.related ~= nil then
  for i,v in ipairs(components.related) do
  !]
<bind role="start" component="site_[!i!]" />
[!end end!]
<bind role="start" component="leftArrow"/>
<bind role="start" component="rightArrow"/>
</link>
[! if components.related ~= nil then!]
<link xconnector="onSelectionTestOrStopStart">
  <bind role="onSelection" component="site_1">
    <bindParam name="keyCode" value="CURSOR_UP"/>
  </bind>
  [!for i,v in ipairs(components.related) do!]
  <bind role="test[!i!]" component="settings" interface="service.currentFocus">
    <bindParam name="var" value="fS[!i!]" />
  </bind>
  <bind role="stop" component="site_[!i!]" />
  [!end!]
  <bind role="stop" component="leftArrow"/>
  <bind role="stop" component="rightArrow"/>
  <bind role="start" component="interactivity"/>
</link>
<link xconnector="saggaBase#onBeginSet">
  <bind role="onBegin" component="site_1"/>
  <bind role="set" component="settings" interface="service.currentFocus">
    <bindParam name="val" value="fS1"/>
  </bind>
</link>
[!end!]
[! if components.related ~= nil then
  for i,v in ipairs(components.related) do
  !]
<link xconnector="saggaBase#onSelectionTestStart">
  <bind role="onSelection" component="site_[!i!]" />

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    <bindParam name="keyCode" value="CURSOR_DOWN"/>
  </bind>
  <bind role="test" component="settings" interface="service.currentFocus">
    <bindParam name="var" value="fS[!=i!]" />
  </bind>
  <bind role="start" component="luamenu"/>
  <bind role="start" component="context_related_[!=i!]" />
  <bind role="set" component="settings" interface="service.currentFocus">
    <bindParam name="var" value="fALeft"/>
  </bind>
</link>
[!end end!]
[!if components.related ~= nil then
  for i,v in ipairs(components.related) do
    if i <=#components.related then
    !]
<link xconnector="saggaBase#onSelectionTestSet">
  <bind role="onSelection" component="site_[!=i!]">
    <bindParam name="keyCode" value="CURSOR_RIGHT"/>
  </bind>
  <bind role="test" component="settings" interface="service.currentFocus">
    <bindParam name="var" value="fS[!=i!]" />
  </bind>
  <bind role="set" component="settings" interface="service.currentFocus">
    <bindParam name="var" value="fS[!=(i+1)!]" />
  </bind>
</link>
[!end end end!]
[!if components.related ~= nil then
  for i,v in ipairs(components.related) do
    if i > 1 then
    !]
<link xconnector="saggaBase#onSelectionTestSet">
  <bind role="onSelection" component="site_[!=i!]">
    <bindParam name="keyCode" value="CURSOR_LEFT"/>
  </bind>
  <bind role="test" component="settings" interface="service.currentFocus">
    <bindParam name="var" value="fS[!=i!]" />
  </bind>
  <bind role="set" component="settings" interface="service.currentFocus">

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        <bindParam name="var" value="fS[!=(i-1)!]"/>
    </bind>
</link>
[!end end end!]
[!if components.related ~= nil then
    for i,v in ipairs(components.related) do
    !]
<link xconnector="saggaBase#onEndSet">
    <bind role="onEnd" component="context_related_[!=i!]" />
    <bind role="set" component="settings" interface="service.currentFocus">
        <bindParam name="var" value="fS[!=i!]" />
    </bind>
</link>
<link xconnector="saggaBase#onEndAttributionStop">
    <bind role="onEndAttribution" component="settings" interface="stop_related_site[!=i!]" />
    <bind role="stop" component="context_related_[!=i!]" />
    <bind role="stop" component="luamenu" />
</link>
<link xconnector="saggaBase#onBeginSet">
    <bind
        role="onBegin"
        component="context_related_[!=i!]"
interface="p_related_site[!=i!][!=#components.related[i].contents!]" />
    <bind role="set" component="luamenu" interface="numItems">
        <bindParam name="val" value="[!=#v.contents!]" />
    </bind>
    <bind role="set" component="luamenu" interface="prefix">
        <bindParam name="val" value="related_site[!=i!]" />
    </bind>
    <bind role="set" component="settings" interface="service.currentKeyMaster">
        <bindParam name="val" value="luamenu" />
    </bind>
</link>
[!end end!]
[!if components.related ~= nil and components.related > 1 then
    for i,v in ipairs(components.related) do
    !]
<context id="context_related_[!=i!]">
    [!if v.contents ~= nil and v.contents > 1 then
        for j,k in ipairs(v.contents) do
        !]
        <port id="p_related_site[!=i!][!=j!]" component="related_site[!=i!][!=j!]" />

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[!end end!]
<media id="referSettings_[!:=i!]" refer="main_settings"/>
[!if v.contents ~= nil then
  for j,k in ipairs(v.contents) do
    !]
    <media id="related_site_[!:=i!]" src="[!:=k.preview!]" descriptor="dt_related_[!:=j!]">
      <property name="left"/>
      <property name="leftV"/>
      <property name="top"/>
      <property name="topV"/>
      <property name="height"/>
      <property name="heightV"/>
      <property name="widthV"/>
      <property name="width"/>
      <property name="visible"/>
      [!if k.properties ~= nil then
        for pindex,pvalue in pairs(k.properties) do
          !]
          <property name="[!:=pindex!]" />
        !]
      !]
    </media>
    [!if k.properties ~= nil then
      for pindex,pvalue in pairs(k.properties) do
        !]
        <link xconnector="saggaBase#onBeginSet">
          <bind role="onBegin" component="related_site_[!:=i!]" />
          <bind role="set" component="related_site_[!:=i!]" interface="[!:=pindex!]">
            <bindParam name="val" value="[!:=pvalue!]" />
          </bind>
        </link>
      !]
    </link>
    [!end end!]
    <link xconnector="saggaBase#onEndAttributionSetDelay">
      <bind role="onEndAttribution" component="related_site_[!:=i!]" interface="leftV"/>
      <bind role="get" component="related_site_[!:=i!]" interface="leftV"/>
      <bind role="set" component="related_site_[!:=i!]" interface="left">
        <bindParam name="val" value="$get"/>
      </bind>
    </link>
    <link xconnector="saggaBase#onEndAttributionSetDelay">
      <bind role="onEndAttribution" component="related_site_[!:=i!]" interface="topV"/>

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<bind role="get" component="related_site[!:=i!]_[!:=j!]" interface="topV"/>
<bind role="set" component="related_site[!:=i!]_[!:=j!]" interface="top">
  <bindParam name="val" value="$get"/>
</bind>
</link>
<link xconnector="saggaBase#onEndAttributionSetDelay">
  <bind          role="onEndAttribution"          component="related_site[!:=i!]_[!:=j!]"
interface="widthV"/>
  <bind role="get" component="related_site[!:=i!]_[!:=j!]" interface="widthV"/>
  <bind role="set" component="related_site[!:=i!]_[!:=j!]" interface="width">
    <bindParam name="val" value="$get"/>
  </bind>
</link>
<link xconnector="saggaBase#onEndAttributionSetDelay">
  <bind          role="onEndAttribution"          component="related_site[!:=i!]_[!:=j!]"
interface="heightV"/>
  <bind role="get" component="related_site[!:=i!]_[!:=j!]" interface="heightV"/>
  <bind role="set" component="related_site[!:=i!]_[!:=j!]" interface="height">
    <bindParam name="val" value="$get"/>
  </bind>
</link>
[!end end!]
</context>
[!end end!]
</context>

```