

, Q Q R Y D W L R Q U H V H D B Q K L R M \$ S U S D O F L W F I D R A Q L G H V L
U H J L R Q D O F K D U D F W H U L V W L F V

7 R Q J = K H Q U Q V K X R E) H Q J

6 F K R R O R I + X P D Q K M Q H V Q D J Q Q \$ V W V V T W F K R I R O R H P L F Q M D J & K L Q D
6 F K R R O R I & K H P L V W U 6 D Q G \ D Q J L Q Q H F U R D V Q W H R K Q R G R J \ 7 L H [L 6 K H Q \ D Q J & K L

\$ E V W U D F W K W K H G H Y H O R S P H Q W R I P R E L O B U L Q W H R U I Q P R V E I L Q H & K K R Q H V Q Q
Y D U L R X V P R E L O H Q G Y L R H V \$ 3 W K L Q V G H N P D E H W F R P Q Q G H R R W Q H I D Q G P R U H F R P
& K L Q D V \$ 3 3 L Q W H U I D F H G H V L J Q L Q G R E M W \ R V W L Q W M H G D O V L R Q D O Q Q G B
G H V L J Q V W \ O H V K D Y H R F F X S L H G W K H W \$ 3 3 G D S S R Q B D W F L R Q W R D U N H W H &
S U R I R X Q G Z L W K U L F K F X O W X U D O V F R Q R R M D V S B Q \ D Q U G D G L W L R Q D F D O X G
W R \$ 3 3 L Q W H U D F W L Y H L Q W H U I D F H Q G G V L X Q W X Q G H K R Z U W R J I G L S B S O L D Q W W H U D
W R S L F V Z H Z D Q W W R V W X G \ : H V K R X O H G Y L W B O L W D G L Q W W K C H D Q H Z K H Q B V H
L Q W R W K H L Q W P R G H D F Q W D S Y H \ Q R O W K K L W D H W H D B X W V R U H F D Q E H P F
L Q K H U L W H G D Q G F D U U L H G I R U Z D U G

7 K H G H Y H O R S P H Q W V W D W X H Z H R I Z W U N D G E W L R Q D O Z L W K W U D G L
U H J L R Q D O F K D U D F W H U L V W L F \$ S S O L F D W L R Q Q G X V W U L D O ' H V L

5 H V H D U F K V W D W X V D W K R P H D Q G Y P R S P A Q W R I W K H L Q W H U D F W
(P E H G G L Q J W U D G L W L R Q D O & K L Q H V H
Z R U N V L V R Q H R I W K H L P S R U W D Q W L
D W W H Q W L R Q W R 7 K U R X J K W K H X V H

1.1.1 Foreign research status

, Q \$ P H U L F D Q V F K R O D U % 6 H R P H Q W V S U R S L M X G D O V G H V L J Q W R H
F R Q F H S W R I V L P L O D U L Q W H U D F W D R Q G N V L J Q H R W D W F K I K R Z W R W L P H R U F
K L V G R F X P H Q W (U J R Q R P L F V R Q X Q W S X H W H Q W K R O V R O G R I \$ 3 3 L Q W
' H V L J Q : L W K W K H I L U V W , Q W H U D F W L R Q D O L W R F I D Q D O V R S Q W I R U Z D
+ X P D Q P D F K L Q H 6 \ V W H P V K H O G L Q Q G F R Q F H S W Y H O R S P H Q W R D U R X V H W
R I L Q W H U D F W L R Q G H V L J Q K D V D W H U D F W W G D E R W L R O O G & P R L Q H V H F X
D W W H Q W L R Q , Q W K H V O R J O L G J H I R U P D O \ L Q W U R G X F H G
W K H F R Q F H S W R I L Q W H U D F W L R Q K H H J Q 6 X E V H T X H O W \ W K H
D S S O L F D W L R Q R I L Q W H U D F W L R Q G H V L J Q Z D V S U R P R W H G H D U F K D Q G
Y D O X H R I W U D G L W L R Q D O U H J L R
F K D U D F W H U L V W L F \$ S S O L F D W L R

1.1.2 Domestic research status

7 K H L Q Q R Y D W L R Q D Q G U H V H D U F 6 L O F H P D Q N L O G D H R W F U H G E W K B I Q G U W H
V W D U W H G U H O D W L Y H O \ O D W H E X W P R E L O S 3 G H V L J Q H W Q W K I O D
G H V L J Q F R P S D Q L H V D Q G , 7 F R P S W H O W K H G H U J O H W Q W H F K O R O R I \ K D
H V W D E O L V K H G U H O H Y D Q W L Q W H U D F W L R Q D O P S W R O W L V J H Q W P R E G D V W H F K O R O R I \ K D
U H F H Q W \ H D U V W K H G H Y H O R S P H Q W H U D F W L R Q D O 3 3 L D S S O L F D W L R Q V K
L Q W H U D F W L Y H L Q G X V W U \ D Q G W K H U H F R O R S S O L E D W L R Q V P P D U W
K R X V H K R O G D S S O L D Q F H V V X F K \$ 5 D Z L G R G E R F O T H S K B Q Z H V H U D G L W K W K H H F
F R P S X W H U V K D Y H D O V R P D G H H S H U W D L O F O T H S K B Q Z H V H U D G L W K W K H H F
G H Y H O R S P H Q W D Q G V R P H L Q Q R Y D W L R Q D O V R S S O L E D W L R Q V P P D U W
G H V L J Q D J H Q F L H V V X F K D V 5 R F R I F R Y V K D O V H F E H G H O W W H D W O Y G L P S D F W H G
* X D Q J G R Q J % H L M L Q J D Q G 6 K D Q J K D O W X U H D Q G O R F E D O F K D U D F W H U L V V
\$ W S U H V H Q W V R P H R I W K H L Q W H U D F W L R Q D O V R S S O L E D W L R Q V P P D U W
& K L Q D D U H F R S L F R G Q W R P L R W H L Q G Q W K H U H O H Y D Q W L Q D O O \ V O R Z O \ H Q W
\$ 3 3 G H V L J Q Z R U N V D U H H [D F W O R Z W K H V D P H 7 K H U H D U H H Y H Q

HDFK SODFH ,Q WKLV FDVH 6KH QHDFUHQVFW WDNHQ DV DQ
H[DP SOH WR VXPPDUL]H DQG H[WUDFW WKH YLVXDO HOHPHQWV
ZLWK UHJLRQDO FXOWXUH DQG GXRWHU&LQH WKFKHGHWLFRORRJI R
RULHQWDWLRQ RI WKH WRXULVP DSSSHDULHQJ5&RDUXPHURQSSKUR YDO
PDUNHW HQYLURQPHQW RI WRXULVP HVSDFLQWLRQ GHYHORSPHQW
LQ 6KHQ\ DQJ FLW TXIPUHHWQWKH RI SUDFWLFDO 5HVHDUFKORQSSOLF DWL
IXQFWLRQV DQG HQULFK WKH GHYHURXUHQVFWORXUORVLFHQ %UDQG
FKDUDFWHULSVDFWWRRLVQ @DKHQ\ \$S & QWHUIDFH 7RXULVP DQG 3KRW
<X // 5HVHDUFKSDQFWWLRQ RI
&XOWXUDO (OHPHQWV LQ <DQJ]KI
'HVLJQ 5HVHDUFK RQ &RPPXQLFDW

5.3.5 Local tourism APP into the traditional culture of visual innovation design

5HJLRQDO WRXULVP DSSV VKRXOG SD\ DWWHQWLRQ WR WKH
FRQLQXLW\ DQG FRQLVWHQF\ RI YHQODK GHVLJQHQVFWORXUORVLFHQ
LPSRUWDQW WKLQJ LV WR SD\ DWWHQWLRQ WR GHVLJQHQVFWORXUORVLFHQ
SULQFLSOHV)LJ ,Q \$33 LQWHUIDFH GHVLJQHQVFWORXUORVLFHQ
GHVLJQ WR FRORU GHVLJQ WR LFRQ GHVLJQ DQG OD\RXW GHVLJQ
VRPH SULQFLSOHV RI IODWQHVV V&RQ & EH 5HVHDUFKORQSSOLF
FRUUHVSRLQJ GHVLJQ RI WH[W SD\HQVFWORXUORVLFHQ WKLQJ
LQWHUIDFH GHVLJQ RI \$33 DSSOLFHWLRQV D\XUORVLFHQ
PRELOH DSSOLFHWLRQV VKRXOG IRXU RQ VWLWHDUFK RQ 8VHU 6HI
DQG XVH VLP SOH DQG HDVLO\ UHFRQVWLRQV WR JSURRWRVFWLRQ
ZKLFK ZLOO LQWHJUDWH WKH LQXVWURQV DQJLWURQV FXOWXUH
,Q FRORU GHVLJQHQVFWORXUORVLFHQ FRORUV ZLWK 5HVHDUFK RQ 8VHU 6HI
ORFDO FKDUDFWHULVDFWWRRLVQ @DKHQ\ \$S & QWHUIDFH 7RXULVP DQG 3KRW
SKRWRV RI WKH FLW\ V VFHQLF VSRWLQJ



"Baicao Wen" Chinese medicine app. bring Chinese medicine into your daily life

Fig. 2. %DLFDR :HQ & KHQ\$33HLQVGHVLJQILDFH GHVLJQ FDVH

4LQ / ; ([SORUDWLRQ RI 'HVLJQ
ORELOH \$33 ,FRQV 1HMLDQJ 7HFK
+H 4 . \$ 6WXG\ RQ WKH (QO
(GXFDWLRQ \$33 IRU 3UHVFKRRO &
(PRWLRQDO 'HVLJQ ODVV VWDQGDU
*DR < . 5HVHDUFK RQ ,QWHUID
RI 3HUVRQDOL]HG &ORWKLQJ &XVW
/HDWKHU
:DQJ / 9LVXDO 'HVLJQ \$QDO\VL
\$\$S %DVHG RQ 'HVLJQ 3V\FKROR
)DVKLRQ

5.3.6 The framework and interaction design innovation of Liaoning local tourism APP

7KH GHVLJQ RI /LDRQLQJ IHDWXUH \$33 XVHV \$, DQG ELJ
GDWD FRPSXLQJ IXQFWLRQV WR SUHGLFW XVHUV LQQHU DFWLYLWLH
DQG SODQV WKURXJK XVHU EHKDYLRU VXFK DV :KHQ WRXULVWV
XVH WKH LQWHUDFWLYH \$33 WKH PRELOH SKRQH FDFHUD FDQ
DXWRPDWLFDOO\ WUDFN WKH XVHU V VLJKW VR DV WR UHFRPPH
VXLWDEOH WUDYHO SODQV DQG GLIIHUHQW VXJJHVWLRQV 7KH
LQWHUDFWLYH GHVLJQ RI WKH \$33 EULQJV D QHZ GHYHORSPHQW
PRGHO IRU WKHQRORVDFWWRRLVQ @DKHQ\ \$S & QWHUIDFH 7RXULVP DQG 3KRW

\$FNQRZOHGJPHQWV

/LDRQLQJ 3URYLQFLDO 'HSDUWPHQW RI (GXFDWLRQ
5HVHDUFK SURMHFW /-.5