

6SULQJ &4, 5HSRUW
6RIWZDUH &XUULFXOXP

6HSW €À` %fSDœ\$GYDQFHG 2EMHFW 2ULLQJWHGQ 3U&
6RIWZDUH (QJLQHPPULWQH H D Q B FRUHV FRFWU VRH LQHSV
DQG UHYLHZHG WKH DVVHVVPHQWVERWWKHF QXUDVHC
DSSHQGL[IRU WKHPHQGLYHSGR D V L S W H S U X F W R E V W

- x &6 E\ 'DQLHO 0HMLD
- x &6 E\ 'DQLHO 0HMLD
- x &6 E\ 2VFDU 0RQGUDJRQ
- x &6 E\ <RRQVLN &KHRQ

7KH VWDWHG OHDDQDQW R X W R R P M V R Z H U H P H W H [
SRLQWV RI

5HYLVLRQ RI &R
&6 DQG &6
WKH FRPPLWWH
FRPPLWWHH DSS
E\ IDFXOW\ DW V

&6 -XQLRU :

- x 8SGDWH RXWFRPH DXHM VIRUL EDHF W HSK B D F H D Q G W H O
LQWHUYLHZV
o 'HVFULEH WHFKQLT XiHui, I B Q G D F H O M S K B Q H L Q W H U Y
x FRPPXQLDQW IZRUQWWHQ

Q H V D P K S O H R O V R Z L Q J
SURIHQV LDFQ F B Q Q W H Z R W N D I E O N L M G , Q W R H
QJ DQGE SORWH V R L R V B E F S Q V I S R V H R I H Q K D Q
FRPPXQDEQWQJRQQMWH OOVKLRSEWRU UHVHDFK
HV RE S W R Q L D P J U Q D R G X P D V H L R X O O Q G R E W D L Q
WLRQV
SURIHYVWRQHQ S U H W X B H R E F M V L R Q D O H [S H U L
SURIHVVRHQDOL W K S E V W R R V K R Z F D V H V R I
HQW H [S H U L H Q F H V

&6 \$GYDQFHG 2EMHFW 2ULHQWHG 3URJUDPPLQJ
x 5HPRYH /HYHO D RQXWKRIPOHLM (ESHOWZLFFQVDRQURIEQIWHHG
DSSURDFK DQG SURFHGXUDO DSSURDFK
o 0RYH WR &6 3URJUDPPLQJ /DQJXDJHV
x \$GG D QHZ /HYHO RXWFRPH
o 'HVFULEH WKH GLIDHWHUHQIDHO E HDVZGHEHO E SIPVHQIWW ZDU
x 5HZULWH E LQWRVPX E WILSO HL R S O HFRPPVWH VDDQG GXVH F
PHWKRGV WKDW IROGG R ZV FORHMH HQVSHUPROXU HD B W
DGYDQFHG IHDW M U W D Q V X F K H Q F H L S V K H R Q H U K I F Q G O L Q J D Q
o 'HVLJQ LPSOHPHQW D Q G G R E M H F V O D L E Q J H R O O R Z L Q J
FRQYHQWLRQV JXLGHOLQHV VW\OHV DQG VWDQ
o 'HVLJQ DQG LPSOHPHQW D Q G G R E M H F V O D L E Q J H R O O R Z L Q J
H[FHSWLRQV DQG KLJK RUGHU IXQFWLRQV

&6 -XQLRU 3URIHVVLQRDO 2ULHQWDWLRQ
7KLV FRXUVH SURYLGHV DQ RYHUYVH R Q V Z L W K H D Q R I P S X M D H U L G F R C
DQG WKH ORFDO DQG JOREDO LPSUDFWL J R I W L R R S X V D L Q G J R R F L E W L
LW ZDV WDXJKW E\ 'DQLHAGitHubMilestonesSocial, Legal, and Ethical [WEERN
Issues for Computing Technology 6 DUD % D H G I H W L R Q 3 H D U V R Q 7 K H F R P P
UHFRPPHQGV WR
x .HHS XS ZLWK WKH JRRG ZRUN ± PHWHUWU Q F V D R O W I K W K F B X U V
VWXGHQW SDVVLRQJ UDW
x ([SDQG RQ WKH XVRHURH R P P X I Q Q R D W L W R D Q G F R O O D E R U D
x &RQLQXH KDYLQJ W W X G R Q F R V I S S R Q W W W D X F W L R S Q D O

&6 \$GYDQFHG 2EMHFW 2ULHQWHG 3URJUDPPLQJ
7KLV FRXUVH SURYLGHV LQ GHSWK R H J U S R P X L Q H V S D U D I G L J P E M Q F W W
LW ZDV WDXJ M W D E 17 H Q L U H O X I H O J e t - O r i e n t e d A n a l y s i s Z D V
Design, and Implementation: An Integrated Approach % U D K P D ' D W K D Q 6 D U Q D W K
5DPQDWK 6SULQJHU 8QZKHU F R E W L W W H 3 U H W R P P H Q G V W R

.HHS XS ZLWK WKH U R R G Z Q W K P H F R X U V H R X W F R P H V
&RQLQXH PRQLWRULQJ WKH IDLOXUHL R X D W H R X Q G L W Z D V
&RQLVGHU XVLQJ H D S Q R Q H D S S E U R D H G H Q Q D W K H P H F R X H U
ORQJ SURMHFW WKDW EXLOGV XSRQ WKLV FRXUVH

&6 6RIWZDUH (QJLQHHULQJ , ,
7KLV FRXUVH LV WRH D HV ZRQ GHPPHWWHFD S VZK R QH VFW XGHQWV
DQG LPSOHPHQW D UHDO ZRUOG DS/SOULQDWLRQLWS Z DVI WDCX L QV
<RRQVLN &KH RQUH G HWU H Sertain of Software Engineering) 7VXL 2
.DUDP DQG %G(%HW GQQV %DUWHWW Designing LQJ DQG
Object-Oriented Software 5 :LUIV %URFN QG:LO:NLHUVRQ 3D HQWLFH
7KR PPLWWHH UHFRPPHQGV WR

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