```
PrinterServer 系统设计æ−‡æ¡£ 上æµ·è¹¹ä;j网络ç§'技有é™å…−å¸ç›® 录 1 æ•°æ®å°"设è®; 2 1.1
 \textbf{\textit{x}}\bullet^{\circ}\textbf{\textit{x}}\&\textbf{\textit{a}}^{\circ}\text{\textit{``e'}}\textbf{\textit{`e'}}\&\textbf{\textit{a}}^{3}\textbf{\textit{''e'}}\textbf{\textit{`e'}}\textbf{\textit{`e'}}\textbf{\textit{`e'}}\textbf{\textit{`e'}}\textbf{\textit{`e'}}\textbf{\textit{`i'}}\textbf{\textit{TrialOrgan}}) \ 3 \ \textbf{\textit{`i'}4^2}\textbf{\textit{2}}\textbf{\textit{`i'}4}\textbf{\textit{x}}\textbf{\textit{e'}}\textbf{\textit{`i'}}\textbf{\textit{TrialOrgan}}) \ 3 \ \textbf{\textit{`i'}4^2}\textbf{\textit{2}}\textbf{\textit{`i'}4}\textbf{\textit{x}}\textbf{\textit{e'}}\textbf{\textit{`i'}}\textbf{\textit{TrialOrgan}}) \ 3 \ \textbf{\textit{`i'}4^2}\textbf{\textit{i'}4}\textbf{\textit{x}}\textbf{\textit{e'}}\textbf{\textit{`i'}}\textbf{\textit{i'}4}\textbf{\textit{k'}e'}\textbf{\textit{`i'}}\textbf{\textit{TrialOrgan}}) \ 3 \ \textbf{\textit{`i'}4^2}\textbf{\textit{i'}4}\textbf{\textit{x}}\textbf{\textit{e'}}\textbf{\textit{`i'}4}\textbf{\textit{k'}e'}\textbf{\textit{`i'}4}\textbf{\textit{k'}e'}\textbf{\textit{`i'}4}\textbf{\textit{a'}e'}\textbf{\textit{`i'}4}\textbf{\textit{a'}e'}\textbf{\textit{`i'}4}\textbf{\textit{a'}e'}\textbf{\textit{`i'}4}\textbf{\textit{a'}e'}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'}4}\textbf{\textit{`i'
ï¼^3)订å•è;¨(TrialOrgan) 4 ï¼^4)商å®¶ä¿jæ¯è;¨(TrialOrgan) 4 ï¼^5)è½®æ'è;¨(TrialOrgan) 5 2 接å£è®¾è®; 6 2.1
œœ¬åœ°çޝå¢f 8 é;¹ç›®å¹¼€å' 8 代ç ç®;ç†å·¥å... 8 Webæ;†æž¶ 8 ORM 9 æ•°æ®å°" 9 é;¹ç›®éf¨ç¹½² 9 å...¶ä»–技术 9 1
  \textbf{x}\bullet^{\circ}\textbf{x}\textbf{B}\mathring{a}^{\circ\circ}\dot{\textbf{c}}\textbf{B}\mathring{3}4\dot{\textbf{c}}\textbf{B}; \ 1.1 \ \textbf{x}\bullet^{\circ}\textbf{x}\textbf{B}\mathring{a}^{\circ\circ}\dot{\textbf{c}}; \ \ddot{\textbf{c}}\textbf{B}\mathring{3}4\dot{\textbf{c}}\textbf{B}; \ \dot{\textbf{c}}; \ \ddot{\textbf{c}}\textbf{B}\mathring{3}4\dot{\textbf{c}}\textbf{B}; \ \dot{\textbf{c}}; \ \ddot{\textbf{c}}\textbf{A}\mathring{\textbf{c}}\textbf{B}; \ \ddot{\textbf{c}}, \ \ddot{\textbf{c}}, \ \ddot{\textbf{c}}, \ \ddot{\textbf{c}}, \ \ddot{\textbf{c}}, \ \ddot{\textbf{c}}; \ \ddot{\textbf{c}}, \ \ddot{\textbf{c}}
 |user |ç'''æ^ ä;;¡æ¯è;" | 2 |files |æ_‡ä»¶ä,Šä½ è;" | 3 |orders |订å•è;" | 4 |seller |商å®¶è;" | 5 |carousel |è½®æ'è;" | è;"1.1
  系统æ•°æ®å"'表ï¼î¼‰ç'""æ^÷ä¿¡æ¯è¡"(TrialOrgan) ç'"æ¥è®°å¼•ç""æ^÷ä¿¡æ¯ï¼Œå¦,表1.2所礰ã€, |属性(英æ−‡) |类型 |
 ä,»é''® |å¤−é'''® |穰值 |属性(ä,æ−‡) | |unionid |vachar(45) |/ |/ |ç''''æ^·æ ‡ç¤° | |create at |TimeStamp |/ |/ |/ |ç''''æ^·å^à>å»°æ—¶é—´ |
 ‡ä»¶ä,Šä¼ è;"(TrialOrgan) ç''"æ¥è®°å½•ä,Šä¼ æ-‡ä»¶ä¿;æ¯ï¼Œå¦,è;"1.3所礰ã€, |å±z性(英æ-‡) |类型 |ä,yé''® |å¤-é''® |
  |Create\_at|TimeStamp|/|/|/|æ-\ddaggerav¶a,Ša¼æ--¶é--'|è_i"1.3 e-\ddaggerav¶a,Ša¼ e_i" i¼^3i¼%è&¢å•e_i"(TrialOrgan)|
  \varsigma''''\text{$\underline{x}$} \dot{\varepsilon} \hat{\mathbb{C}} \dot{\sigma}^{\dagger} \dot{\phi}^{\dagger} \dot{\mathcal{C}} \dot{\sigma}^{\dagger} \dot
穰值 |属性(ä,æ–‡) | |phone |varchar(11)|/ |/ |æ‰∢朰å· | |create_at |TimeStamp |/ |/ |/ |å^à»°æ—¶é—´ | |longitude |Varchar(64)|/ |/
 |Varchar(64)|/ |/ |å,, | |area |Varchar(64)|/ |/ |/ |匰 | |detail |Varchar(125|/ |/ |/ |详∞†åœ°å€ | || ) | | | || || è; 1.5 商å®¶ä; jæ¯è;
 ï¼^5ï¼%è½®æ'è¡"(TrialOrgan) ç''"æ¥è®°å½•è½®æ'ä¿¡æ¯ï¼Œå¦¸è;"1.6æ%€ç¤°ã€, |属性(英æ–‡) |类型 |主é''® |外é''® |穰值
 |属性(ä,æ-‡)||Cover img|varchar(255|/|/|/|å°é¢å»¾|||)|||||è;"1.6 è½®æ'è;" 2 接å£è®¾è®; 2.1 å‰ç«¯æŽ¥å£è®¾è®; 2.1.1
  ç<sup>™</sup>»å½• ç'''œˆ·ç½'é¡μç<sup>™</sup>»å½• |Method |Url | |GET |/api/user/web/login/ | ç'''œˆ·å°ç¨‹å°ç™»å½• |Method |Url | |POST
  |/api/user/mini/login/ | 2.1.2 æ-‡ä»¶ æ-‡ä»¶ä, Šä¼ |Method |Url | |POST |/api/add/file/path/ | 2.1.3 订å• æ·»åŠ è®¢å• |Method |Url |
  |POST|/api/add/order/| æ ¹æ®ç''''æ^·ID获å–订å•ä¿jæ |Method|Url||GET|/api/get/orders/user//|æ ¹æ®è®¢å•ID获å–订å•ä¿jæ
  |Method |Url | |GET |/api/get/order// | 2.1.4 æ" ä» è®¢å•æ" ä» |Method |Url | |POST |/api/user/pay/ | 2.1.5 è½®æ' 获å-è½®æ'å-è;
  ç®;ç†ç«¯æŽ¥å£è®¾è®; 2.2.1 商家登录 商家登录 |Method |Url | |POST |/api/seller/login/ | æ¹æ®å•†å®¶ID获å–
 商å®¶ä¿jæ¯|Method|Url||GET|/api/get/seller/infos/<|||id>/|2.2.2 订å•ä¿jæ¯æ¹æ®å•†å®¶ID获å–订å•ä¿jæ¯|Method|Url|
 |GET |/api/get/order// | æ>´æ`''订å•状æ€ |Method |Url | |GET |/api/put/order/status// | 3 åŽç«¯ç>¸å…³æŠ€æœ¯æ–‡æ¡£ å¼€å'环å¢f
 å ¥å... • PyCharm • Anaconda 本地环å¢f • pip/easy install åŒ...管ç† â€¢ viertualenv + virtualenvwrapper
 虚æ'ŸçŽ<sup>®</sup>å¢fæå»°, çŽ<sup>®</sup>å¢féš"离 é¡'目开å' 代ç 管ç†å·¥å...· • git • svn Web框æž¶ • Flask:è½»é‡! å¯ä»¥çµæ
  ´»ç»,,å^å,,ç±»ç»,,件进行å¼€å'(第三欹ç»,,ä»¶å¾^丰富), 简å•é«~æ•^, 便䰎快速å¼€å'å'Œç»′护ã€, •
 Django:ææ‰ä°½‡, é...ç½®å'Œç°¦å®šä¼—多, å¯ä»¥å¿«é€Ÿå¼€å'一ä°>â€ç®jç†â€æ€§è′¨çš,,åŽå°ã€, ORM • SQLAlchemy
  æ•°æ®å°" • mysql 项ç›®é f¨ç½² • æœåŠ¡å™"(Ubuntu & Centos) – nginx , ä,»è¦ç'"¨ä°Žè
  Ÿè½½å‡è;¡ï¼Œåå°ä»£ç†ï¼Œä½;ç```æžä¸°å¹;æ³>ã€, – uWSGI,ç```æ¥éƒ¨ç½²python webé;¹ç>®ã€, å...¶ä»—技术•
 å³¼®ä;j网é;µæŽ^æf登录 – 接æ"¶å%端å,æ•° code – 在code有æ•`期内,通è;‡codeè¯ æ±,å³¼®ä;j,获å–
 token&unionid – 实现扫ç 登录 • å¾®ä¿jå°ç¨⟨å°æŽˆæf登录 – 接æ"¶å‰ç«¯å,æ•° encryptedData, iv, code –
  进行AES解密获å–unionid – 在code有效期内,通过code请æ±,微信,获å–token&unionid –
 \mathring{a} \otimes \check{z} \circ \check{z} \circ \otimes \mathscr{C} \circ \mathring{z}^{TM} \rangle \mathring{a}^{1/2} \circ \mathring{a} \in \mathscr{C} \otimes -\mathring{z} \circ \mathring{a} \circ \mathring{a}^{1/4} \circ \mathring{a} \in \mathscr{C} \circ \mathring{a} \circ \mathring{a}^{1/4} \circ \mathring{a} \circ \mathring{
```