需求优先级

项目名：07 学习平台

课程名：软件需求分析原理与实践

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2022/2/23

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| 完成日期： |  |

**软件需求优先级文档**

说明：

所谓使用软件需求优先级文档，就是在进行了使用优先级分析之后记录分析结果的文档。而需求优先级的目的就是要对用户的需求进行优先级分析

版本记录

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 编号 | 修订日期 | 版本/状态 | 修订人 | 发布日期 | 备注 |
| 01 | 2022/4/24 | 0.1 | 许罗阳宁 | 2022/4/24 | 软件需求优先级文档 |
| 02 | 2022/4/29 | 0.2 | 许罗阳宁 | 2022/4/29 | 软件需求优先级修订 |
| 03 | 2022/5/8 | 0.3 | 许罗阳宁 | 2022/5/8 | 软件需求优先级修订 |
| 04 | 2022/5/15 | 0.4 | 许罗阳宁 | 2022/5/15 | 软件需求优先级修订 |
| 05 | 2022/5/21 | 0.5 | 许罗阳宁 | 2022/5/21 | 软件需求优先级修订 |
| 06 | 2022/5/24 | 1.0 | 许罗阳宁 | 2022/5/24 | 软件需求优先级修订 |
| 07 | 2022/5/29 | 1.0.1 | 许罗阳宁 | 2022/5/29 | 软件需求优先级修订 |
| 08 | 2022/6/5 | 1.0.2 | 许罗阳宁 | 2022/6/5 | 软件需求优先级修订 |

优先级=价值%/（成本%+风险%）

价值：1（几乎无法带来价值）🡪9（价值超乎预计）

成本：1（成本几乎为0）🡪9（成本无法承担）

风险：1（风险几乎为0）🡪9（风险无法承担）

权重 相对价值：相对损失：成本：风险=1:1:1:1

教师用户优先级

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 特性 | 价值 | 损失 | 总价值 | 总价值% | 成本 | 成本% | 风险 | 风险% | 优先级 |
| 浏览论坛 | 6 | 6 | 12 | 3.15% | 5 | 3.65% | 6 | 3.73% | 0.4270 |
| 浏览博客 | 7 | 8 | 15 | 3.94% | 6 | 4.38% | 7 | 4.35% | 0.4514 |
| 浏览问答 | 7 | 7 | 14 | 3.67% | 5 | 3.65% | 8 | 4.97% | 0.4258 |
| 使用资料上传 | 6 | 7 | 13 | 3.41% | 7 | 5.11% | 7 | 4.35% | 0.3605 |
| 使用资料下载 | 7 | 7 | 14 | 3.67% | 6 | 4.38% | 6 | 3.73% | 0.4527 |
| 登陆 | 4 | 6 | 10 | 2.62% | 4 | 2.92% | 5 | 3.11% | 0.4348 |
| 注册 | 4 | 7 | 11 | 2.89% | 4 | 2.92% | 5 | 3.11% | 0.4796 |
| 忘记密码 | 4 | 5 | 9 | 2.36% | 6 | 4.38% | 6 | 3.73% | 0.2911 |
| 搜索 | 4 | 5 | 9 | 2.36% | 3 | 2.19% | 4 | 2.48% | 0.5049 |
| 教师发表博客 | 8 | 9 | 17 | 4.46% | 5 | 3.65% | 2 | 1.24% | 0.9116 |
| 教师发表帖子 | 7 | 7 | 14 | 3.67% | 7 | 5.11% | 3 | 1.86% | 0.5263 |
| 教师发表问答 | 7 | 8 | 15 | 3.94% | 7 | 5.11% | 4 | 2.48% | 0.5188 |
| 讨论 | 7 | 8 | 15 | 3.94% | 3 | 2.19% | 6 | 3.73% | 0.6659 |
| 评论 | 7 | 7 | 14 | 3.67% | 2 | 1.46% | 5 | 3.11% | 0.8038 |
| 回答 | 8 | 8 | 16 | 4.20% | 3 | 2.19% | 6 | 3.73% | 0.7099 |
| 评论答案 | 6 | 6 | 12 | 3.15% | 4 | 2.92% | 3 | 1.86% | 0.6585 |
| 点赞 | 6 | 7 | 13 | 3.41% | 3 | 2.19% | 5 | 3.11% | 0.6439 |
| 加精 | 5 | 6 | 11 | 2.89% | 4 | 2.92% | 2 | 1.24% | 0.6943 |
| 添加标签 | 5 | 5 | 10 | 2.62% | 5 | 3.65% | 4 | 2.48% | 0.4271 |
| 关注 | 5 | 6 | 11 | 2.89% | 3 | 2.19% | 7 | 4.35% | 0.4420 |
| 收藏 | 5 | 5 | 10 | 2.62% | 3 | 2.19% | 6 | 3.73% | 0.4428 |
| 取消关注 | 4 | 5 | 9 | 2.36% | 2 | 1.46% | 5 | 3.11% | 0.5169 |
| 取消收藏 | 4 | 5 | 9 | 2.36% | 2 | 1.46% | 5 | 3.11% | 0.5169 |
| 退出登录 | 3 | 4 | 7 | 1.84% | 2 | 1.46% | 6 | 3.73% | 0.3548 |
| 查看消息 | 6 | 7 | 13 | 3.41% | 3 | 2.19% | 5 | 3.11% | 0.6439 |
| 查看消息详情 | 7 | 8 | 15 | 3.94% | 4 | 2.92% | 4 | 2.48% | 0.7290 |
| 编辑自己发布的内容 | 6 | 7 | 13 | 3.41% | 3 | 2.19% | 5 | 3.11% | 0.6439 |
| 删除自己发布的内容 | 4 | 4 | 8 | 2.10% | 4 | 2.92% | 6 | 3.73% | 0.3159 |
| 主页设计 | 4 | 5 | 9 | 2.36% | 6 | 4.38% | 3 | 1.86% | 0.3780 |
| 反馈 | 5 | 5 | 10 | 2.62% | 5 | 3.65% | 4 | 2.48% | 0.4271 |
| 查看反馈 | 6 | 6 | 12 | 3.15% | 4 | 2.92% | 5 | 3.11% | 0.5228 |
| 教师消息推送 | 5 | 6 | 11 | 2.89% | 7 | 5.11% | 6 | 3.73% | 0.3267 |
| 合计 | 179 | 202 | 381 | 100% | 137 | 100% | 161 | 100.00% |  |

学生用户优先级

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 特性 | 价值 | 损失 | 总价值 | 总价值% | 成本 | 成本% | 风险 | 风险% | 优先级 |
| 浏览论坛 | 6 | 7 | 13 | 5.12% | 6 | 4.08% | 8 | 4.73% | 0.5806 |
| 浏览博客 | 5 | 8 | 13 | 5.12% | 6 | 4.08% | 8 | 4.73% | 0.5806 |
| 浏览问答 | 9 | 7 | 16 | 6.30% | 7 | 4.76% | 8 | 4.73% | 0.6634 |
| 使用资料上传 | 5 | 4 | 9 | 3.54% | 5 | 3.40% | 7 | 4.14% | 0.4697 |
| 使用资料下载 | 6 | 5 | 11 | 4.33% | 7 | 4.76% | 7 | 4.14% | 0.4864 |
| 登陆 | 4 | 5 | 9 | 3.54% | 6 | 4.08% | 5 | 2.96% | 0.5033 |
| 注册 | 4 | 4 | 8 | 3.15% | 4 | 2.72% | 3 | 1.78% | 0.7005 |
| 忘记密码 | 2 | 3 | 5 | 1.97% | 5 | 3.40% | 3 | 1.78% | 0.3803 |
| 搜索 | 5 | 5 | 10 | 3.94% | 6 | 4.08% | 8 | 4.73% | 0.4466 |
| 学生发表博客 | 4 | 3 | 7 | 2.76% | 7 | 4.76% | 8 | 4.73% | 0.2902 |
| 学生发表帖子 | 4 | 4 | 8 | 3.15% | 4 | 2.72% | 7 | 4.14% | 0.4589 |
| 学生发表问答 | 5 | 5 | 10 | 3.94% | 6 | 4.08% | 4 | 2.37% | 0.6105 |
| 讨论 | 3 | 3 | 6 | 2.36% | 5 | 3.40% | 5 | 2.96% | 0.3714 |
| 评论 | 3 | 4 | 7 | 2.76% | 6 | 4.08% | 7 | 4.14% | 0.3351 |
| 回答 | 3 | 4 | 7 | 2.76% | 7 | 4.76% | 6 | 3.55% | 0.3315 |
| 评论答案 | 5 | 4 | 9 | 3.54% | 5 | 3.40% | 4 | 2.37% | 0.6143 |
| 点赞 | 3 | 3 | 6 | 2.36% | 8 | 5.44% | 6 | 3.55% | 0.2627 |
| 加精 | 3 | 4 | 7 | 2.76% | 2 | 1.36% | 2 | 1.18% | 1.0833 |
| 添加标签 | 3 | 4 | 7 | 2.76% | 3 | 2.04% | 3 | 1.78% | 0.7222 |
| 关注 | 3 | 3 | 6 | 2.36% | 2 | 1.36% | 4 | 2.37% | 0.6337 |
| 收藏 | 4 | 3 | 7 | 2.76% | 6 | 4.08% | 7 | 4.14% | 0.3351 |
| 取消关注 | 3 | 5 | 8 | 3.15% | 5 | 3.40% | 9 | 5.33% | 0.3609 |
| 取消收藏 | 3 | 4 | 7 | 2.76% | 4 | 2.72% | 6 | 3.55% | 0.4394 |
| 退出登录 | 3 | 4 | 7 | 2.76% | 3 | 2.04% | 5 | 2.96% | 0.5512 |
| 查看消息 | 1 | 4 | 5 | 1.97% | 1 | 0.68% | 3 | 1.78% | 0.8017 |
| 查看消息详情 | 3 | 4 | 7 | 2.76% | 2 | 1.36% | 2 | 1.18% | 1.0833 |
| 编辑自己发布的内容 | 4 | 3 | 7 | 2.76% | 4 | 2.72% | 6 | 3.55% | 0.4394 |
| 删除自己发布的内容 | 5 | 5 | 10 | 3.94% | 4 | 2.72% | 7 | 4.14% | 0.5736 |
| 主页设计 | 5 | 5 | 10 | 3.94% | 6 | 4.08% | 5 | 2.96% | 0.5592 |
| 反馈 | 1 | 5 | 6 | 2.36% | 3 | 2.04% | 4 | 2.37% | 0.5359 |
| 查看反馈 | 1 | 5 | 6 | 2.36% | 2 | 1.36% | 2 | 1.18% | 0.9285 |
| 合计 | 118 | 136 | 254 | 100% | 147 | 100% | 169 | 100% |  |

管理员用户优先级

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 特性 | 价值 | 损失 | 总价值 | 总价值% | 成本 | 成本% | 风险 | 风险% | 优先级 |
| 审核 | 9 | 3 | 12 | 13.79% | 8 | 13.56% | 8 | 14.04% | 0.4999 |
| 审核筛选 | 9 | 2 | 11 | 12.64% | 6 | 10.17% | 5 | 8.77% | 0.6675 |
| 审核删除 | 8 | 1 | 9 | 10.34% | 8 | 13.56% | 7 | 12.28% | 0.4003 |
| 筛选举报 | 7 | 2 | 9 | 10.34% | 9 | 15.25% | 7 | 12.28% | 0.3757 |
| 删除举报 | 6 | 3 | 9 | 10.34% | 5 | 8.47% | 8 | 14.04% | 0.4596 |
| 审理 | 7 | 2 | 9 | 10.34% | 5 | 8.47% | 6 | 10.53% | 0.5444 |
| 增加课程 | 8 | 2 | 10 | 11.49% | 9 | 15.25% | 5 | 8.77% | 0.4784 |
| 修改课程 | 8 | 2 | 10 | 11.49% | 5 | 8.47% | 6 | 10.53% | 0.6049 |
| 删除课程 | 6 | 2 | 8 | 9.20% | 4 | 6.78% | 5 | 8.77% | 0.5913 |
| 合计 | 68 | 19 | 87 | 100% | 59 | 100% | 57 | 100% |  |

游客用户优先级

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 特性 | 价值 | 损失 | 总价值 | 总价值% | 成本 | 成本% | 风险 | 风险% | 优先级 |
| 浏览主页 | 8 | 3 | 11 | 100% | 4 | 100% | 3 | 100% | / |

管理员

游客

学生

教师

教师：学生：管理员：游客=1：1：1：0.25

优先级降序排序

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 特性 | 价值 | 损失 | 总价值 | 总价值% | 成本 | 成本% | 风险 | 风险% | 优先级 |
| 教师发表博客 | 8 | 9 | 17 | 2.32% | 5 | 1.44% | 2 | 0.51% | 1.1871 |
| 评论 | 7 | 7 | 14 | 1.91% | 2 | 0.58% | 5 | 1.28% | 1.0277 |
| 查看消息详情 | 7 | 8 | 15 | 2.05% | 4 | 1.15% | 4 | 1.03% | 0.9394 |
| 回答 | 8 | 8 | 16 | 2.18% | 3 | 0.86% | 6 | 1.54% | 0.9084 |
| 加精 | 5 | 6 | 11 | 1.50% | 4 | 1.15% | 2 | 0.51% | 0.9010 |
| 加精 | 3 | 4 | 7 | 0.95% | 2 | 0.58% | 2 | 0.51% | 0.8768 |
| 查看消息详情 | 3 | 4 | 7 | 0.95% | 2 | 0.58% | 2 | 0.51% | 0.8768 |
| 评论答案 | 6 | 6 | 12 | 1.64% | 4 | 1.15% | 3 | 0.77% | 0.8518 |
| 讨论 | 7 | 8 | 15 | 2.05% | 3 | 0.86% | 6 | 1.54% | 0.8516 |
| 点赞 | 6 | 7 | 13 | 1.77% | 3 | 0.86% | 5 | 1.28% | 0.8262 |
| 查看消息 | 6 | 7 | 13 | 1.77% | 3 | 0.86% | 5 | 1.28% | 0.8262 |
| 编辑自己发布的内容 | 6 | 7 | 13 | 1.77% | 3 | 0.86% | 5 | 1.28% | 0.8262 |
| 查看反馈 | 1 | 5 | 6 | 0.82% | 2 | 0.58% | 2 | 0.51% | 0.7515 |
| 教师发表帖子 | 7 | 7 | 14 | 1.91% | 7 | 2.02% | 3 | 0.77% | 0.6854 |
| 教师发表问答 | 7 | 8 | 15 | 2.05% | 7 | 2.02% | 4 | 1.03% | 0.6725 |
| 查看反馈 | 6 | 6 | 12 | 1.64% | 4 | 1.15% | 5 | 1.28% | 0.6724 |
| 取消关注 | 4 | 5 | 9 | 1.23% | 2 | 0.58% | 5 | 1.28% | 0.6607 |
| 取消收藏 | 4 | 5 | 9 | 1.23% | 2 | 0.58% | 5 | 1.28% | 0.6607 |
| 搜索 | 4 | 5 | 9 | 1.23% | 3 | 0.86% | 4 | 1.03% | 0.6496 |
| 查看消息 | 1 | 4 | 5 | 0.68% | 1 | 0.29% | 3 | 0.77% | 0.6451 |
| 注册 | 4 | 7 | 11 | 1.50% | 4 | 1.15% | 5 | 1.28% | 0.6163 |
| 使用资料下载 | 7 | 7 | 14 | 1.91% | 6 | 1.73% | 6 | 1.54% | 0.5845 |
| 添加标签 | 3 | 4 | 7 | 0.95% | 3 | 0.86% | 3 | 0.77% | 0.5845 |
| 浏览博客 | 7 | 8 | 15 | 2.05% | 6 | 1.73% | 7 | 1.79% | 0.5807 |
| 注册 | 4 | 4 | 8 | 1.09% | 4 | 1.15% | 3 | 0.77% | 0.5679 |
| 收藏 | 5 | 5 | 10 | 1.36% | 3 | 0.86% | 6 | 1.54% | 0.5677 |
| 关注 | 5 | 6 | 11 | 1.50% | 3 | 0.86% | 7 | 1.79% | 0.5643 |
| 登陆 | 4 | 6 | 10 | 1.36% | 4 | 1.15% | 5 | 1.28% | 0.5603 |
| 添加标签 | 5 | 5 | 10 | 1.36% | 5 | 1.44% | 4 | 1.03% | 0.5531 |
| 反馈 | 5 | 5 | 10 | 1.36% | 5 | 1.44% | 4 | 1.03% | 0.5531 |
| 浏览论坛 | 6 | 6 | 12 | 1.64% | 5 | 1.44% | 6 | 1.54% | 0.5495 |
| 浏览问答 | 7 | 7 | 14 | 1.91% | 5 | 1.44% | 8 | 2.05% | 0.5469 |
| 浏览问答 | 9 | 7 | 16 | 2.18% | 7 | 2.02% | 8 | 2.05% | 0.5365 |
| 关注 | 3 | 3 | 6 | 0.82% | 2 | 0.58% | 4 | 1.03% | 0.5110 |
| 审核筛选 | 9 | 2 | 11 | 1.50% | 6 | 1.73% | 5 | 1.28% | 0.4984 |
| 评论答案 | 5 | 4 | 9 | 1.23% | 5 | 1.44% | 4 | 1.03% | 0.4978 |
| 学生发表问答 | 5 | 5 | 10 | 1.36% | 6 | 1.73% | 4 | 1.03% | 0.4952 |
| 主页设计 | 4 | 5 | 9 | 1.23% | 6 | 1.73% | 3 | 0.77% | 0.4915 |
| 浏览论坛 | 6 | 7 | 13 | 1.77% | 6 | 1.73% | 8 | 2.05% | 0.4691 |
| 浏览博客 | 5 | 8 | 13 | 1.77% | 6 | 1.73% | 8 | 2.05% | 0.4691 |
| 使用资料上传 | 6 | 7 | 13 | 1.77% | 7 | 2.02% | 7 | 1.79% | 0.4652 |
| 删除自己发布的内容 | 5 | 5 | 10 | 1.36% | 4 | 1.15% | 7 | 1.79% | 0.4628 |
| 修改课程 | 8 | 2 | 10 | 1.36% | 5 | 1.44% | 6 | 1.54% | 0.4579 |
| 主页设计 | 5 | 5 | 10 | 1.36% | 6 | 1.73% | 5 | 1.28% | 0.4531 |
| 退出登录 | 3 | 4 | 7 | 0.95% | 2 | 0.58% | 6 | 1.54% | 0.4516 |
| 删除课程 | 6 | 2 | 8 | 1.09% | 4 | 1.15% | 5 | 1.28% | 0.4483 |
| 退出登录 | 3 | 4 | 7 | 0.95% | 3 | 0.86% | 5 | 1.28% | 0.4449 |
| 反馈 | 1 | 5 | 6 | 0.82% | 3 | 0.86% | 4 | 1.03% | 0.4331 |
| 教师消息推送 | 5 | 6 | 11 | 1.50% | 7 | 2.02% | 6 | 1.54% | 0.4220 |
| 审理 | 7 | 2 | 9 | 1.23% | 5 | 1.44% | 6 | 1.54% | 0.4121 |
| 登陆 | 4 | 5 | 9 | 1.23% | 6 | 1.73% | 5 | 1.28% | 0.4078 |
| 删除自己发布的内容 | 4 | 4 | 8 | 1.09% | 4 | 1.15% | 6 | 1.54% | 0.4055 |
| 使用资料下载 | 6 | 5 | 11 | 1.50% | 7 | 2.02% | 7 | 1.79% | 0.3937 |
| 使用资料上传 | 5 | 4 | 9 | 1.23% | 5 | 1.44% | 7 | 1.79% | 0.3795 |
| 忘记密码 | 4 | 5 | 9 | 1.23% | 6 | 1.73% | 6 | 1.54% | 0.3758 |
| 审核 | 9 | 3 | 12 | 1.64% | 8 | 2.31% | 8 | 2.05% | 0.3758 |
| 学生发表帖子 | 4 | 4 | 8 | 1.09% | 4 | 1.15% | 7 | 1.79% | 0.3703 |
| 搜索 | 5 | 5 | 10 | 1.36% | 6 | 1.73% | 8 | 2.05% | 0.3609 |
| 取消收藏 | 3 | 4 | 7 | 0.95% | 4 | 1.15% | 6 | 1.54% | 0.3549 |
| 编辑自己发布的内容 | 4 | 3 | 7 | 0.95% | 4 | 1.15% | 6 | 1.54% | 0.3549 |
| 增加课程 | 8 | 2 | 10 | 1.36% | 9 | 2.59% | 5 | 1.28% | 0.3520 |
| 删除举报 | 6 | 3 | 9 | 1.23% | 5 | 1.44% | 8 | 2.05% | 0.3516 |
| 忘记密码 | 2 | 3 | 5 | 0.68% | 5 | 1.44% | 3 | 0.77% | 0.3086 |
| 讨论 | 3 | 3 | 6 | 0.82% | 5 | 1.44% | 5 | 1.28% | 0.3006 |
| 审核删除 | 8 | 1 | 9 | 1.23% | 8 | 2.31% | 7 | 1.79% | 0.2994 |
| 取消关注 | 3 | 5 | 8 | 1.09% | 5 | 1.44% | 9 | 2.31% | 0.2911 |
| 筛选举报 | 7 | 2 | 9 | 1.23% | 9 | 2.59% | 7 | 1.79% | 0.2798 |
| 评论 | 3 | 4 | 7 | 0.95% | 6 | 1.73% | 7 | 1.79% | 0.2710 |
| 收藏 | 4 | 3 | 7 | 0.95% | 6 | 1.73% | 7 | 1.79% | 0.2710 |
| 回答 | 3 | 4 | 7 | 0.95% | 7 | 2.02% | 6 | 1.54% | 0.2686 |
| 学生发表博客 | 4 | 3 | 7 | 0.95% | 7 | 2.02% | 8 | 2.05% | 0.2347 |
| 点赞 | 3 | 3 | 6 | 0.82% | 8 | 2.31% | 6 | 1.54% | 0.2129 |
| 浏览主页 | 8 | 3 | 11 | 1.50% | 4 | 1.15% | 3 | 0.77% | 0.1952 |
| 合计 | 373 | 360 | 733 | 100% | 347 | 100% | 390 | 100% |  |