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 | 0.6 | 许罗阳宁 | 2022/5/24 | 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 | 相对优先级 |
| 使用论坛功能 | 8 | 8.5 | 16.5 | 7.22% | 6 | 4.80% | 8 | 5.71% | 0.6868 | 1.4137 |
| 使用博客功能 | 8.5 | 9 | 17.5 | 7.66% | 6 | 4.80% | 8 | 5.71% | 0.7284 | 1.4994 |
| 使用问答功能 | 8 | 8 | 16 | 7.00% | 7 | 5.60% | 8 | 5.71% | 0.6189 | 1.2739 |
| 使用资料上传/下载 | 6 | 6 | 12 | 5.25% | 5 | 4.00% | 7 | 5.00% | 0.5835 | 1.2011 |
| 网站式布局 | 5 | 6 | 11 | 4.81% | 7 | 5.60% | 7 | 5.00% | 0.4542 | 0.9348 |
| 登陆 | 4.5 | 6 | 10.5 | 4.60% | 6 | 4.80% | 5 | 3.57% | 0.5489 | 1.1299 |
| 注册 | 4 | 5 | 9 | 3.94% | 4 | 3.20% | 3 | 2.14% | 0.7372 | 1.5175 |
| 主页的标题名称一致 | 3.5 | 4.5 | 8 | 3.50% | 5 | 4.00% | 3 | 2.14% | 0.5699 | 1.1732 |
| 主页的布局需要进一步优化 | 4 | 4 | 8 | 3.50% | 6 | 4.80% | 8 | 5.71% | 0.3330 | 0.6854 |
| 网站的版权信息应注明 | 2.5 | 3.5 | 6 | 2.63% | 7 | 5.60% | 8 | 5.71% | 0.2321 | 0.4777 |
| 主页的内容显示应按照热度顺序 | 3 | 4 | 7 | 3.06% | 4 | 3.20% | 7 | 5.00% | 0.3736 | 0.7690 |
| 原型展示显示图片视频等多媒体方式 | 4 | 4.5 | 8.5 | 3.72% | 6 | 4.80% | 4 | 2.86% | 0.4858 | 1.0000 |
| 标签化分块 | 4 | 4 | 8 | 3.50% | 5 | 4.00% | 5 | 3.57% | 0.4624 | 0.9518 |
| 登录应采用弹窗形式 | 2.5 | 3.5 | 6 | 2.63% | 6 | 4.80% | 7 | 5.00% | 0.2679 | 0.5515 |
| 指定某个体回答问题 | 4 | 4 | 8 | 3.50% | 7 | 5.60% | 6 | 4.29% | 0.3542 | 0.7290 |
| 类比论坛显示课程列表 | 4.5 | 4.5 | 9 | 3.94% | 5 | 4.00% | 4 | 2.86% | 0.5744 | 1.1824 |
| 缺少增加课程 | 3.5 | 3.5 | 7 | 3.06% | 8 | 6.40% | 6 | 4.29% | 0.2867 | 0.5901 |
| 登录框删除身份 | 3.5 | 3.5 | 7 | 3.06% | 2 | 1.60% | 2 | 1.43% | 1.0115 | 2.0821 |
| 推荐词汇修改 | 4 | 4.5 | 8.5 | 3.72% | 3 | 2.40% | 3 | 2.14% | 0.8188 | 1.6855 |
| 学生年级标签 | 3.5 | 5 | 8.5 | 3.72% | 2 | 1.60% | 4 | 2.86% | 0.8346 | 1.7179 |
| 申请置顶功能 | 4.5 | 4 | 8.5 | 3.72% | 6 | 4.80% | 7 | 5.00% | 0.3796 | 0.7813 |
| 举报 | 4 | 4 | 8 | 3.50% | 5 | 4.00% | 9 | 6.43% | 0.3357 | 0.6911 |
| 编辑 | 5.5 | 5.5 | 11 | 4.81% | 4 | 3.20% | 6 | 4.29% | 0.6431 | 1.3238 |
| 标识发布不需要审核 | 3.5 | 5.5 | 9 | 3.94% | 3 | 2.40% | 5 | 3.57% | 0.6596 | 1.3577 |
| 合计 | 108 | 120.5 | 228.5 | 100.00% | 125 | 100.00% | 140 | 100% |  |  |

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 | 相对优先级 |
| 使用论坛功能 | 8.5 | 3 | 11.5 | 10.27% | 8 | 12.12% | 8 | 12.70% | 0.4137 | 0.9390 |
| 使用博客功能 | 8 | 3 | 11 | 9.82% | 6 | 9.09% | 4 | 6.35% | 0.6361 | 1.4437 |
| 使用问答功能 | 8.5 | 3.5 | 12 | 10.71% | 7 | 10.61% | 7 | 11.11% | 0.4934 | 1.1197 |
| 使用资料上传/下载 | 8.5 | 2.5 | 11 | 9.82% | 5 | 7.58% | 7 | 11.11% | 0.5256 | 1.1929 |
| 网站式布局 | 7.5 | 4 | 11.5 | 10.27% | 7 | 10.61% | 8 | 12.70% | 0.4406 | 1（基准） |
| 登陆 | 7.5 | 3.5 | 11 | 9.82% | 6 | 9.09% | 5 | 7.94% | 0.5768 | 1.3091 |
| 注册 | 7.5 | 3 | 10.5 | 9.38% | 4 | 6.06% | 4 | 6.35% | 0.7555 | 1.7146 |
| 界面需要优化视觉表现 | 8 | 4 | 12 | 10.71% | 9 | 13.64% | 7 | 11.11% | 0.4329 | 0.9826 |
| 发帖时显示字数 | 8 | 2.5 | 10.5 | 9.38% | 6 | 9.09% | 6 | 9.52% | 0.5036 | 1.1431 |
| 举报 | 8 | 3 | 11 | 9.82% | 8 | 12.12% | 7 | 11.11% | 0.4227 | 0.9595 |
| 合计 | 80 | 32 | 112 | 100% | 66 | 100% | 63 | 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 | 相对优先级 |
| 网站式布局 | 8.5 | 1 | 9.5 | 13.57% | 8 | 15.38% | 8 | 17.39% | 0.4141 | 1.0475 |
| 登陆 | 8 | 5 | 13 | 18.57% | 6 | 11.54% | 5 | 13.89% | 0.7303 | 1.8476 |
| 审核的原因显示 | 8.5 | 1.5 | 10 | 14.29% | 8 | 15.38% | 7 | 15.22% | 0.4668 | 1.1809 |
| 审核时添加筛选列表 | 7.5 | 1.5 | 9 | 12.86% | 9 | 17.31% | 7 | 15.22% | 0.3953 | 1（基准） |
| 登陆界面增加忘记密码 | 8.5 | 1 | 9.5 | 13.57% | 7 | 13.46% | 8 | 17.39% | 0.4399 | 1.1128 |
| 增加修改课程功能 | 9 | 1 | 10 | 14.29% | 5 | 9.62% | 6 | 13.04% | 0.6305 | 1.5949 |
| 审理举报功能 | 8 | 1 | 9 | 12.86% | 9 | 17.31% | 5 | 10.87% | 0.4563 | 1.1543 |
| 合计 | 58 | 12 | 70 | 100% | 52 | 100% | 46 | 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 | 相对优先级 |
| 浏览主页 | 8 | 3 | 11 | 100% | 4 | 100% | 3 | 100% | / | / |

总

游客

管理员

教师

学生

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 |
| 登录框删除身份 | 3.5 | 3.5 | 7 | 1.71% | 2 | 0.83% | 2 | 0.82% | 1.0362 |
| 学生年级标签 | 3.5 | 5 | 8.5 | 2.08% | 2 | 0.83% | 4 | 1.63% | 0.8417 |
| 推荐词汇修改 | 4 | 4.5 | 8.5 | 2.08% | 3 | 1.25% | 3 | 1.22% | 0.8388 |
| 注册 | 7.5 | 3 | 10.5 | 2.56% | 4 | 1.67% | 4 | 1.63% | 0.7772 |
| 注册 | 4 | 5 | 9 | 2.20% | 4 | 1.67% | 3 | 1.22% | 0.7602 |
| 使用博客功能 | 8.5 | 9 | 17.5 | 4.27% | 6 | 2.50% | 8 | 3.27% | 0.7412 |
| 登陆 | 8 | 5 | 13 | 3.17% | 6 | 2.50% | 5 | 2.04% | 0.6991 |
| 使用论坛功能 | 8 | 8.5 | 16.5 | 4.03% | 6 | 2.50% | 8 | 3.27% | 0.6989 |
| 标识发布不需要审核 | 3.5 | 5.5 | 9 | 2.20% | 3 | 1.25% | 5 | 2.04% | 0.6679 |
| 编辑 | 5.5 | 5.5 | 11 | 2.69% | 4 | 1.67% | 6 | 2.45% | 0.6527 |
| 使用博客功能 | 8 | 3 | 11 | 2.69% | 6 | 2.50% | 4 | 1.63% | 0.6500 |
| 使用问答功能 | 8 | 8 | 16 | 3.91% | 7 | 2.92% | 8 | 3.27% | 0.6320 |
| 使用资料上传/下载 | 6 | 6 | 12 | 2.93% | 5 | 2.08% | 7 | 2.86% | 0.5931 |
| 登陆 | 7.5 | 3.5 | 11 | 2.69% | 6 | 2.50% | 5 | 2.04% | 0.5916 |
| 类比论坛显示课程列表 | 4.5 | 4.5 | 9 | 2.20% | 5 | 2.08% | 4 | 1.63% | 0.5914 |
| 主页的标题名称一致 | 3.5 | 4.5 | 8 | 1.95% | 5 | 2.08% | 3 | 1.22% | 0.5906 |
| 登陆 | 4.5 | 6 | 10.5 | 2.56% | 6 | 2.50% | 5 | 2.04% | 0.5647 |
| 使用资料上传/下载 | 8.5 | 2.5 | 11 | 2.69% | 5 | 2.08% | 7 | 2.86% | 0.5437 |
| 增加修改课程功能 | 9 | 1 | 10 | 2.44% | 5 | 2.08% | 6 | 2.45% | 0.5388 |
| 发帖时显示字数 | 8 | 2.5 | 10.5 | 2.56% | 6 | 2.50% | 6 | 2.45% | 0.5181 |
| 原型展示显示图片视频等多媒体方式 | 4 | 4.5 | 8.5 | 2.08% | 6 | 2.50% | 4 | 1.63% | 0.5023 |
| 标签化分块 | 4 | 4 | 8 | 1.95% | 5 | 2.08% | 5 | 2.04% | 0.4737 |
| 网站式布局 | 5 | 6 | 11 | 2.69% | 7 | 2.92% | 7 | 2.86% | 0.4652 |
| 网站式布局 | 7.5 | 4 | 11.5 | 2.81% | 7 | 2.92% | 8 | 3.27% | 0.4543 |
| 界面需要优化视觉表现 | 8 | 4 | 12 | 2.93% | 9 | 3.75% | 7 | 2.86% | 0.4435 |
| 举报 | 8 | 3 | 11 | 2.69% | 8 | 3.33% | 7 | 2.86% | 0.4339 |
| 使用论坛功能 | 8.5 | 3 | 11.5 | 2.81% | 8 | 3.33% | 8 | 3.27% | 0.4256 |
| 审核的原因显示 | 8.5 | 1.5 | 10 | 2.44% | 8 | 3.33% | 7 | 2.86% | 0.3945 |
| 申请置顶功能 | 4.5 | 4 | 8.5 | 2.08% | 6 | 2.50% | 7 | 2.86% | 0.3875 |
| 审理举报功能 | 8 | 1 | 9 | 2.20% | 9 | 3.75% | 5 | 2.04% | 0.3795 |
| 主页的内容显示应按照热度顺序 | 3 | 4 | 7 | 1.71% | 4 | 1.67% | 7 | 2.86% | 0.3779 |
| 登陆界面增加忘记密码 | 8.5 | 1 | 9.5 | 2.32% | 7 | 2.92% | 8 | 3.27% | 0.3753 |
| 指定某个体回答问题 | 4 | 4 | 8 | 1.95% | 7 | 2.92% | 6 | 2.45% | 0.3641 |
| 网站式布局 | 8.5 | 1 | 9.5 | 2.32% | 8 | 3.33% | 8 | 3.27% | 0.3516 |
| 举报 | 4 | 4 | 8 | 1.95% | 5 | 2.08% | 9 | 3.67% | 0.3394 |
| 主页的布局需要进一步优化 | 4 | 4 | 8 | 1.95% | 6 | 2.50% | 8 | 3.27% | 0.3389 |
| 审核时添加筛选列表 | 7.5 | 1.5 | 9 | 2.20% | 9 | 3.75% | 7 | 2.86% | 0.3326 |
| 缺少增加课程 | 3.5 | 3.5 | 7 | 1.71% | 8 | 3.33% | 6 | 2.45% | 0.2956 |
| 登录应采用弹窗形式 | 2.5 | 3.5 | 6 | 1.47% | 6 | 2.50% | 7 | 2.86% | 0.2735 |
| 网站的版权信息应注明 | 2.5 | 3.5 | 6 | 1.47% | 7 | 2.92% | 8 | 3.27% | 0.2370 |
| 浏览主页 | 8 | 3 | 11 | 2.69% | 4 | 1.67% | 3 | 1.22% | 0.2323 |
| 总合计 | 245.5 | 164 | 409.5 | 100.00% | 240 | 100% | 245 | 100% |  |