### C++项目（1）——吊死鬼游戏Hangman

Hangman是一个猜单词的双人游戏。由一个玩家想出一个单词或短语，另一个玩家猜该单词或短语中的每一个字母。第一个玩家抽走单词或短语，只留下相应数量的空白与下划线。

第一个玩家一般会画一个绞刑架，当猜字的玩家猜出了短语中存在的一个字母时，想字的玩家就将这个字母存在的所有位置都填上。如果玩家猜的字母不在单词或短语中，那么想字的玩家就给绞刑架上小人添上一笔，直到7笔过后，游戏结束。

## 范例

以下例子示范一位玩家单靠以字母频率为基础的策略猜*hangman*这个单词。

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Word:**\_ \_ \_ \_ \_ \_ \_**  Misses: | [https://gss2.bdstatic.com/9fo3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=f723102370f082022992963d7bfafb8a/e824b899a9014c08346edca5097b02087bf4f45d.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/e824b899a9014c08346edca5097b02087bf4f45d?fr=lemma&ct=single) | 画上绞刑架 |
| 2 | Word:**\_ \_ \_ \_ \_ \_ \_**  Misses:e | [https://gss2.bdstatic.com/-fo3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=c99db8010955b31998f9857773a98286/562c11dfa9ec8a130579a3e0f403918fa0ecc04b.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/562c11dfa9ec8a130579a3e0f403918fa0ecc04b?fr=lemma&ct=single) | 玩家1猜错一个字母，画上小人的头 |
| 3 | Word:**\_ \_ \_ \_ \_ \_ \_**  Misses:e,t | [https://gss3.bdstatic.com/7Po3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=106b51df75c6a7efbd26af24cdfbafe9/94cad1c8a786c9178844a639ca3d70cf3bc7576f.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/94cad1c8a786c9178844a639ca3d70cf3bc7576f?fr=lemma&ct=single) | 猜字母T，错误 |
| 4 | Word:**\_ A \_ \_ \_ A \_**  Misses:e,t | [https://gss0.bdstatic.com/-4o3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=a67f8bdd2d738bd4c021b533918a876c/91529822720e0cf3ab01bafb0946f21fbe09aa38.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/91529822720e0cf3ab01bafb0946f21fbe09aa38?fr=lemma&ct=single) | 猜字母A，正确！小人不变 |
| 5 | Word:**\_ A \_ \_ \_ A \_**  Misses:e,o,t | [https://gss3.bdstatic.com/-Po3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=22ce8d386d061d957946303a4bf50a5d/1b4c510fd9f9d72aeb96e41dd72a2834359bbbc4.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/1b4c510fd9f9d72aeb96e41dd72a2834359bbbc4?fr=lemma&ct=single) | 猜字母O，错误 |
| 6 | Word:**\_ A \_ \_ \_ A \_**  Misses:e,i,o,t | [https://gss0.bdstatic.com/94o3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=14f6e904379b033b2888fbd825cf3620/37d12f2eb9389b508f1e14528635e5dde6116ec9.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/37d12f2eb9389b508f1e14528635e5dde6116ec9?fr=lemma&ct=single) | 猜字母I，错误 |
| 7 | Word:**\_ A N \_ \_ A N**  Misses:e,i,o,t | [https://gss0.bdstatic.com/-4o3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=459f6a28942bd40746c7d4ff4b889e9c/377adab44aed2e73c76f722c8401a18b87d6fa28.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/377adab44aed2e73c76f722c8401a18b87d6fa28?fr=lemma&ct=single) | 猜字母N，正确！小人不变 |
| 8 | Word:**\_ A N \_ \_ A N**  Misses:e,i,o,s,t | [https://gss2.bdstatic.com/-fo3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=defee41dd72a283447a631096bb4c92e/7aec54e736d12f2e079f5a604cc2d5628535681c.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/7aec54e736d12f2e079f5a604cc2d5628535681c?fr=lemma&ct=single) | 猜字母S，错误 |
| 9 | Word:**H A N \_ \_ A N**  Misses:e,i,o,s,t | [https://gss1.bdstatic.com/9vo3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=fa3f3d339145d688a702b5a694c37dab/0b55b319ebc4b7457a6b4316ccfc1e178a821536.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/0b55b319ebc4b7457a6b4316ccfc1e178a821536?fr=lemma&ct=single) | 猜字母H，正确！小人不变 |
| 10 | Word:**H A N \_ \_ A N**  Misses:e,i,o,r,s,t | [https://gss3.bdstatic.com/-Po3dSag_xI4khGkpoWK1HF6hhy/baike/s%3D220/sign=40d6714ec98065387feaa311a7dca115/95eef01f3a292df5333b5815bf315c6034a87332.jpg](https://baike.baidu.com/pic/Hangman/9308312/0/95eef01f3a292df5333b5815bf315c6034a87332?fr=lemma&ct=single) | 猜字母R，错误，小人画完 |

我们来创建一个非图形版本的Hangman拼字游戏，该游戏从一个单词本（一个存储很多单词的容器）中随机选择一个单词，让人猜测单词的字母。如果用户猜错6次，就输掉了这个游戏。