

问题1 解压缩路径

不要放中文路径

问题2 闪退问题

点击右键编辑startup.bat在最开始的地方添加下面两行:

```
SET JAVA_HOME=C:\Program Files (x86)\Java\jdk1.8.0_45
```

```
SET CATALINA_HOME=F:\apache-tomcat-9.0.60
```

问题3: 启动窗口乱码, 默认都是UTF-8的, 但是控制台是GBK的, 要保持一致

打开tomcat目录下的conf/目录下logging.properties

找到

```
java.util.logging.ConsoleHandler.encoding = utf-8这行
```

更改为

```
java.util.loggingng.ConsoleHandler.encoding = GBK
```

问题4: 启动时候报内存不够的警告:

警告 [main] org.apache.catalina.webresources.Cache.getResource

无法将位于[/WEB-INF/classes/templates/framework/help/helpinfo.html]的资源添加到Web应用程序 [/zhfx]的缓存中,

因为在清除过期缓存条目后可用空间仍不足 - 请考虑增加缓存的最大空间。

解决办法:

在 /conf/context.xml 的 前添加以下内容 (大小默认是1024, 单位是KB) :

问题5: 端口号

端口号冲突启动出错

```
Dec-2021 19:26:06.379 严重 [main] org.apache.coyote.AbstractProtocol.init 协议处理程序初始化失败
org.apache.catalina.LifecycleException: 协议处理程序初始化失败
    at org.apache.catalina.connector.Connector.initInternal(Connector.java:1049)
    at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:136)
    at org.apache.catalina.core.StandardService.initInternal(StandardService.java:556)
    at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:136)
    at org.apache.catalina.core.StandardServer.initInternal(StandardServer.java:1042)
    at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:136)
    at org.apache.catalina.startup.Catalina.load(Catalina.java:724)
    at org.apache.catalina.startup.Catalina.load(Catalina.java:746)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.apache.catalina.startup.Bootstrap.load(Bootstrap.java:305)
    at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:475)
Caused by: java.net.BindException: Address already in use: bind
    at sun.nio.ch.Net.bind0(Native Method)
    at sun.nio.ch.Net.bind(Net.java:433)
    at sun.nio.ch.Net.bind(Net.java:425)
    at sun.nio.ch.ServerSocketChannelImpl.bind(ServerSocketChannelImpl.java:223)
    at org.apache.tomcat.util.net.NioEndpoint.initServerSocket(NioEndpoint.java:273)
    at org.apache.tomcat.util.net.NioEndpoint.bind(NioEndpoint.java:228)
    at org.apache.tomcat.util.net.AbstractEndpoint.bindWithCleanup(AbstractEndpoint.java:1213)
    at org.apache.tomcat.util.net.AbstractEndpoint.init(AbstractEndpoint.java:1226)
    at org.apache.coyote.AbstractProtocol.init(AbstractProtocol.java:603)
    at org.apache.coyote.http11.AbstractHttp11Protocol.init(AbstractHttp11Protocol.java:80)
    at org.apache.catalina.connector.Connector.initInternal(Connector.java:1046)
```

conf/目录下server.xml

修改相关端口

8009 8080 8005

