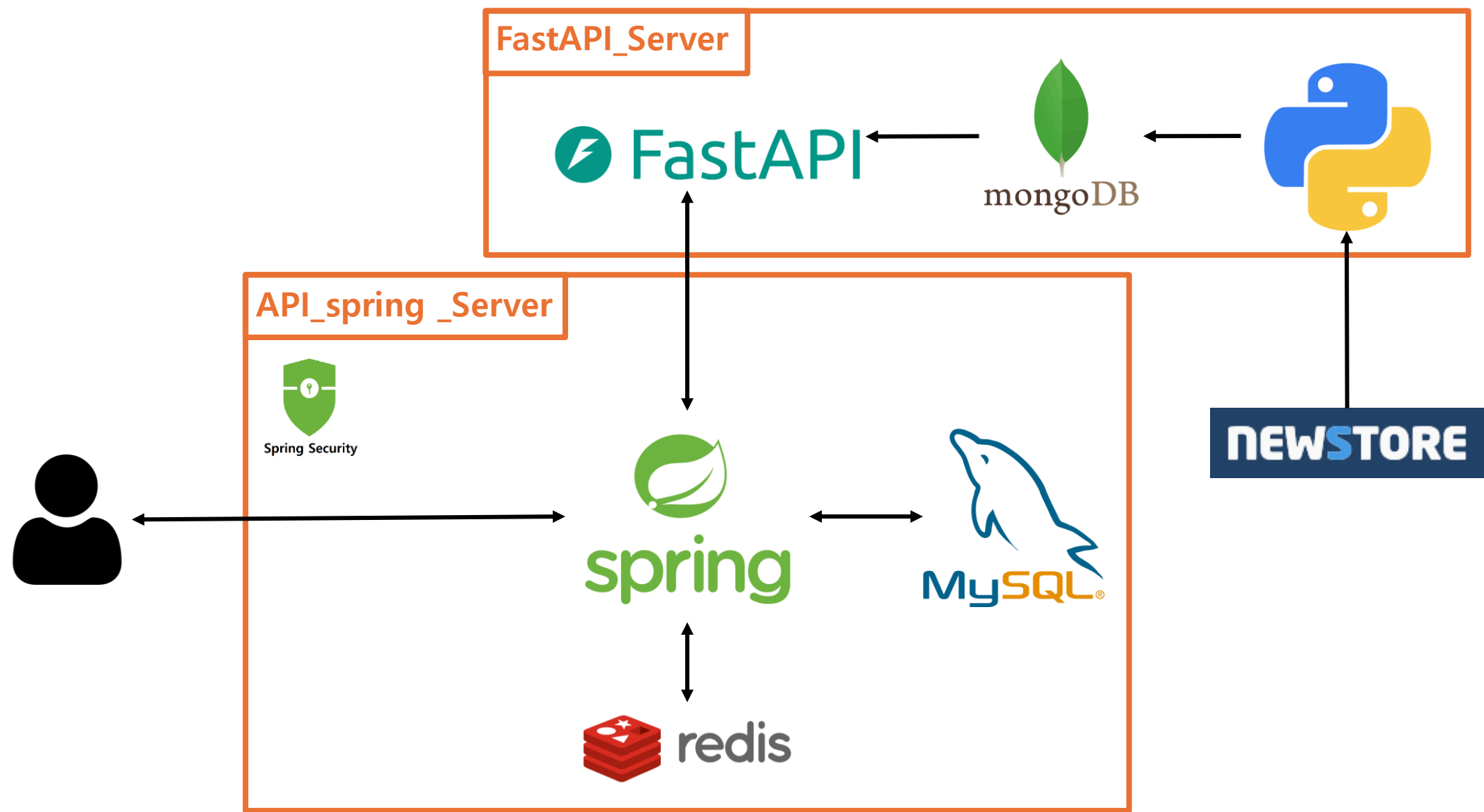


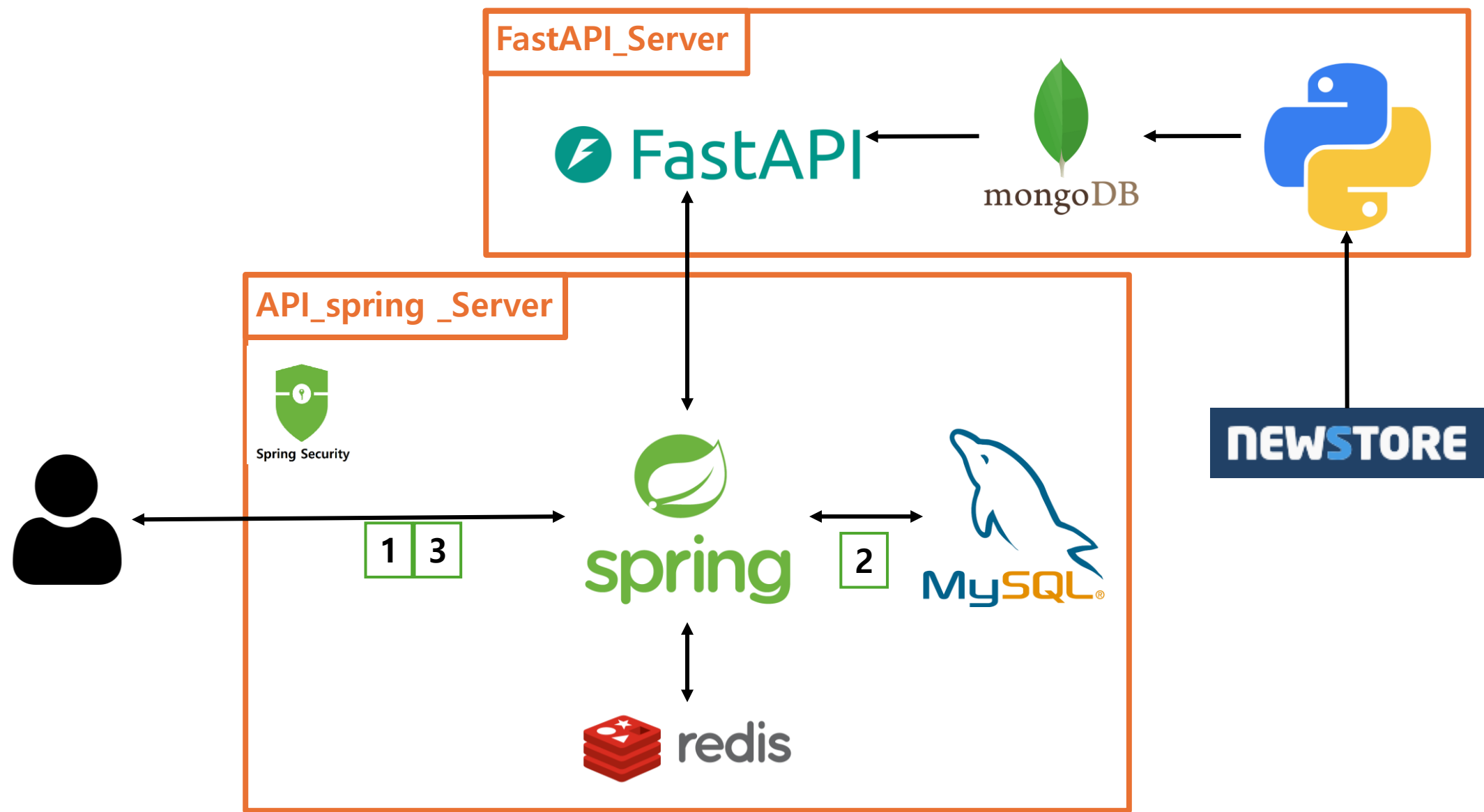
System Architecture



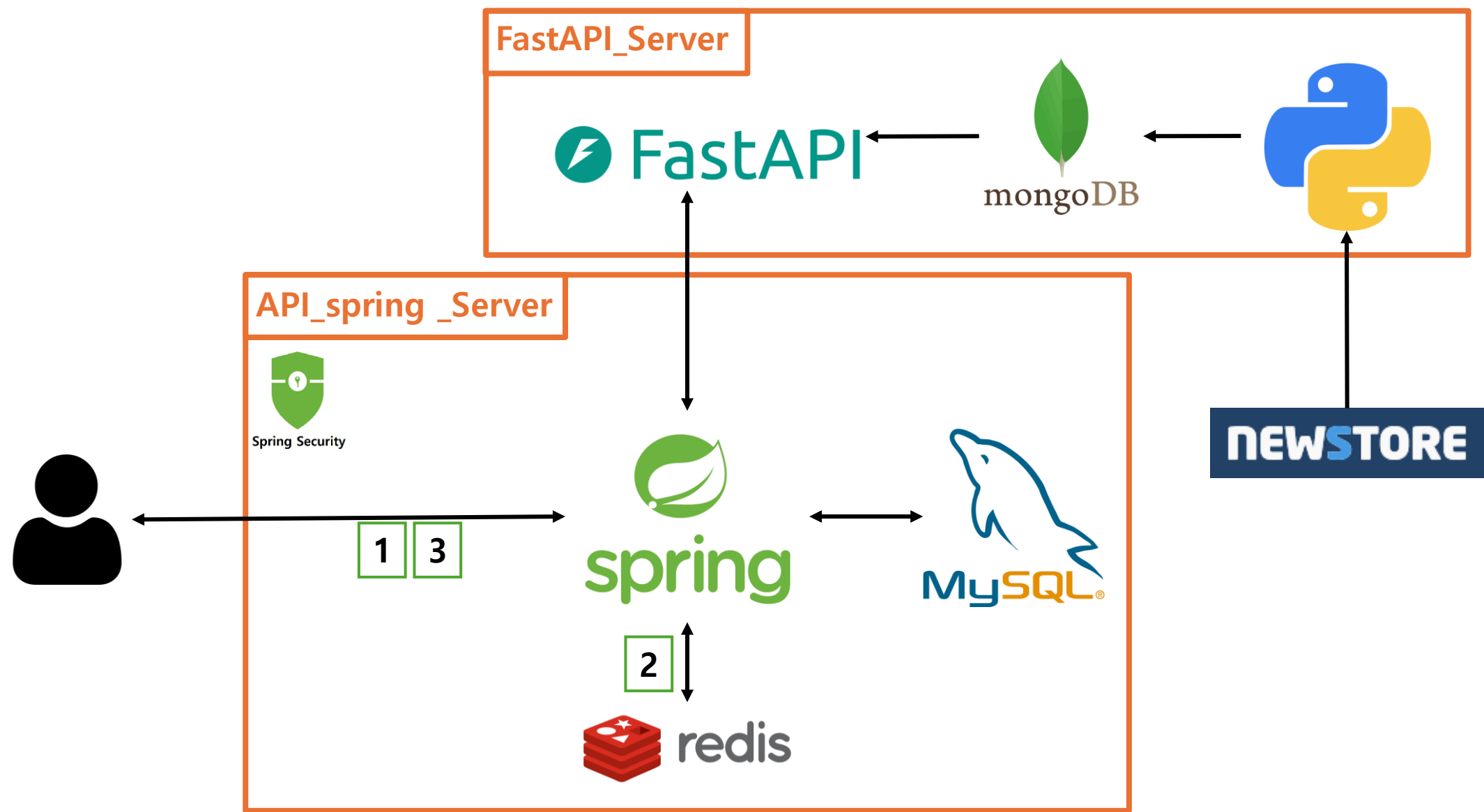
목차-시뮬레이션

1. Join
2. Login
3. (user_category information setting(initial)
4. user_category information update
5. news_crawling
6. recommendation news

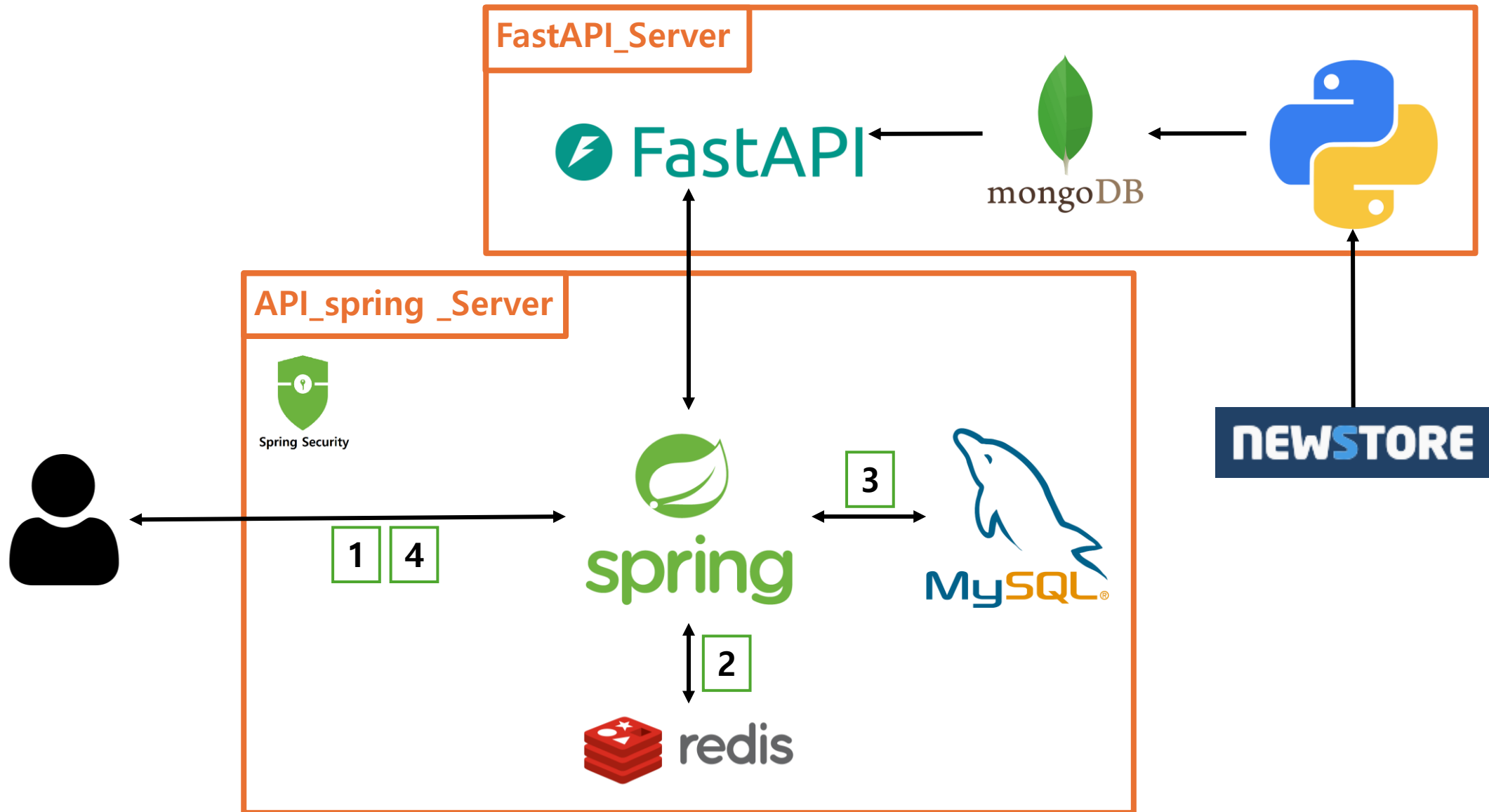
System Architecture_join



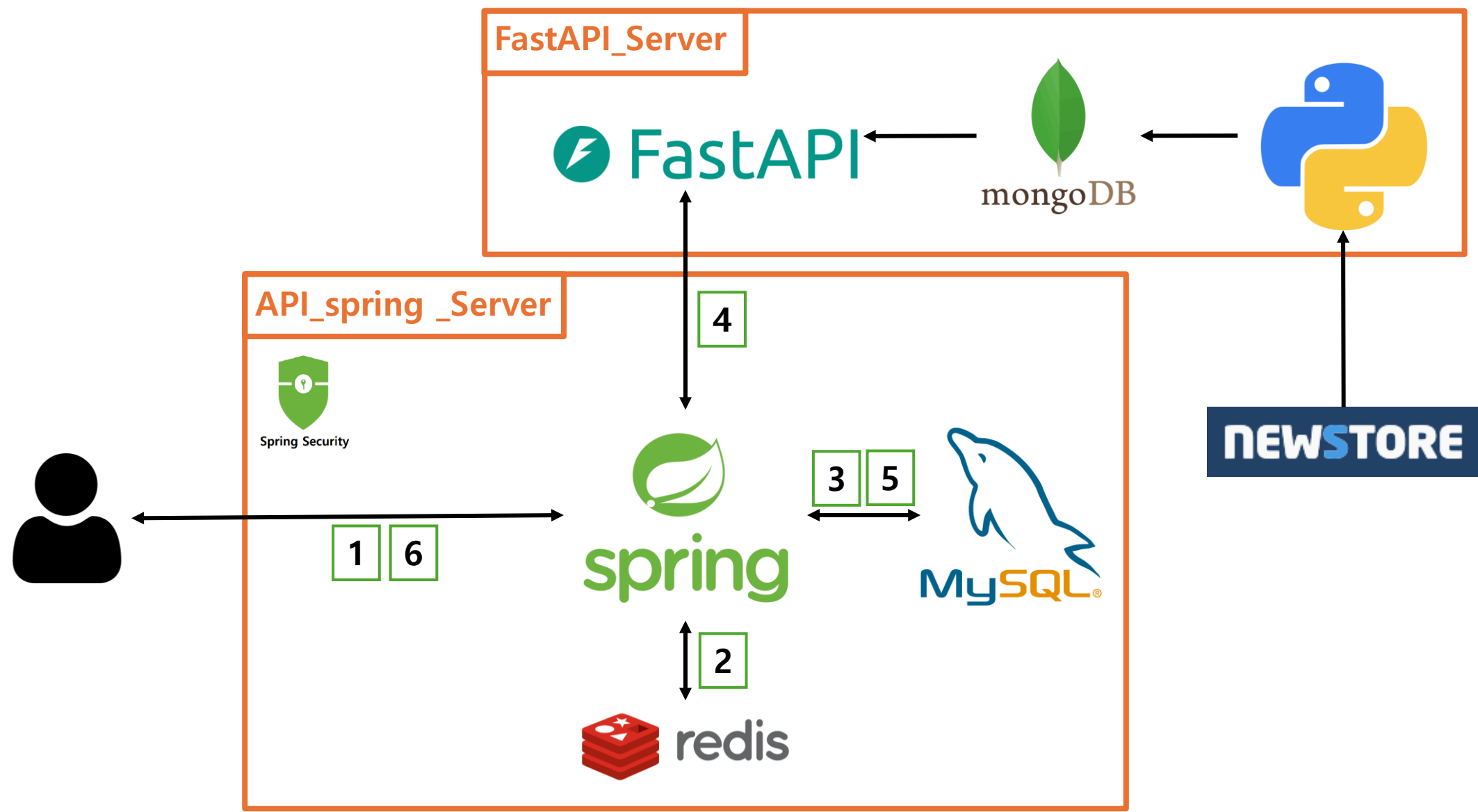
System Architecture_login



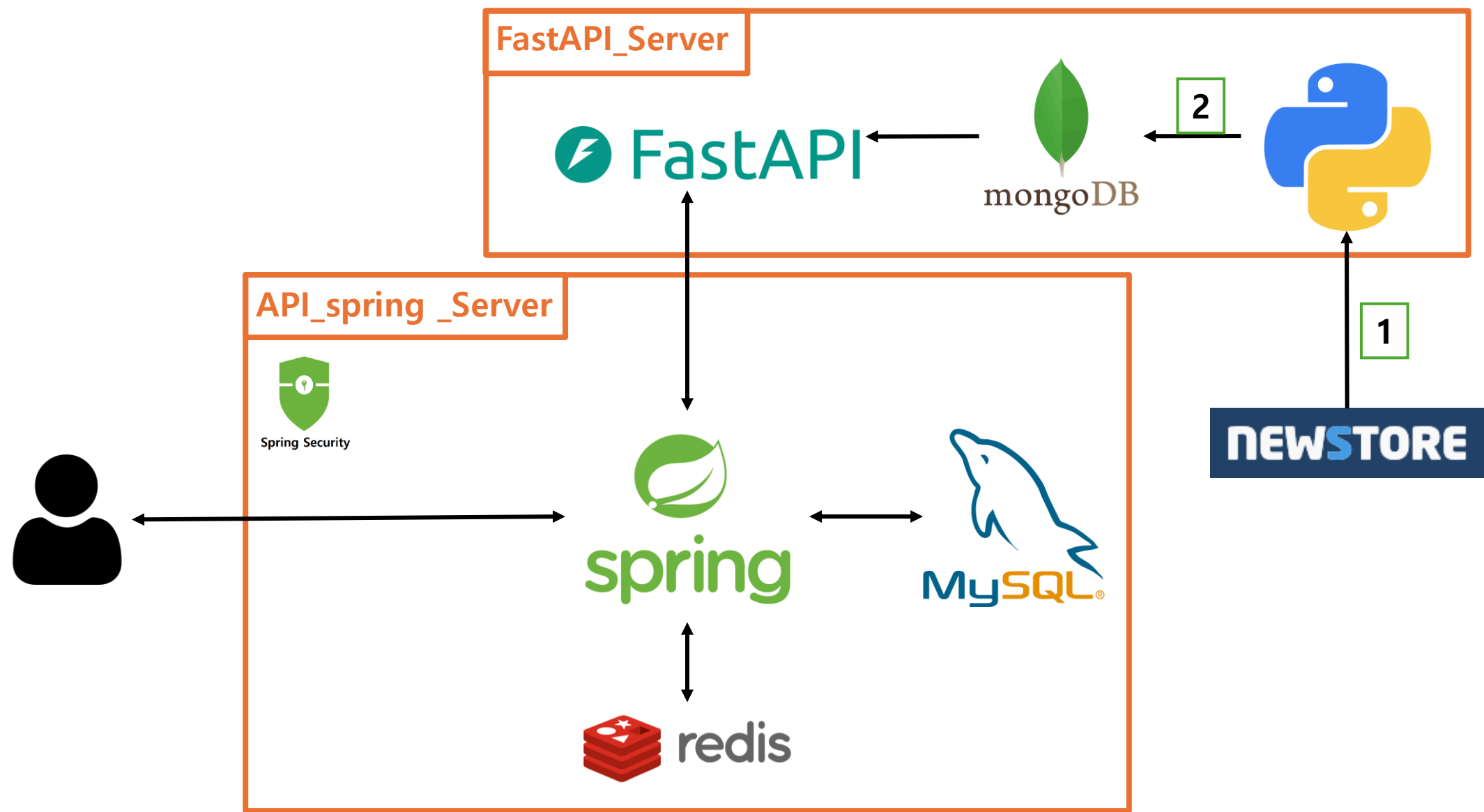
System Architecture(user_category information setting(initial))



System Architecture(user_category information update)



System Architecture(news_crwaling)



System Architecture(recommendation news)

