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607 Lab Assignment   
  
Answer1 –   
 Functional

* App should provide best available route(F)
* User should be able to interact with app via voice(F)
* APP should provide Realtime public transport schedules (F)
* App Should be accessible to different regions (F)
* User data should be encrypted (F)
* App must be able to Get GPS location from user device(F)
* App should Provide tailored routes using bike lanes and cycle path for cyclists (F)
* App should provide routes crosswalks and well-lit streets for pedestrian(F)

Non-Functional

* APP should be able to handle high traffic (N) (Scalability)
* App Should have 2 factor authentication (N) (Security)
* APP should support both IOS and Android (N) (Portability)
* APP Should be flexible to add new features (N) (Maintainability)
* APP Must be hosted on cloud (N) (Availability)
* App Should provide to third party app via API’s (N) (Interoperability)
* APP Should be able to work due to low internet connectivity (N) (Reliability)
* While providing the route app should take into consideration events such as accidents, congestion or road closures. (N) (Security)

Answer 2

* As a User I want to post Questions so that other people can answer.
* As a User I want to Create my account so that my activities can be saved.
* As a user I want to create Space so that other users with same interest can follow and share their thoughts on this page
* As a admin of the space I want to create restrictions on users so that groups ethics are maintained
* As a user I want to open my profile so that I can edit things like Name, username and email
* As a User I want to change my password so that my ID is secured
* As a user I want to use forgot password in case I don’t remember my password so that I can recover my Account
* As a User I want to see other profile by clicking on their name so that I can get to know them
* As a User I want to click on Notification button so that I can check any update related to my account
* As a user I want to use search bar to search so that I can check discussions related to query I have used in search bar
* As a user I want to upvote or comment on post of other users so that user who posted can know what other people think
* As a user I want to click on language icon so that I can change the language according to my preference
* As a user I want to add a filter on my homepage based on different criteria so that I can get most relevant post
* As a user I want to see Terms and privacy policy so that I know how my personal data might be used
* As a user I want to hide certain post which I don’t like

Answer 3

From the feedback it seems that users are most concerned about their safety while travelling especially cyclists and pedestrians who wants to know the best route.

App might need to consider road conditions and crime rate of the streets and even pollution level to improve their algorithm to find the best available route.

* Voice Assistant should provide accurate instruction without any delay
* App should provide more info on bike lanes and maybe nearby repair shop