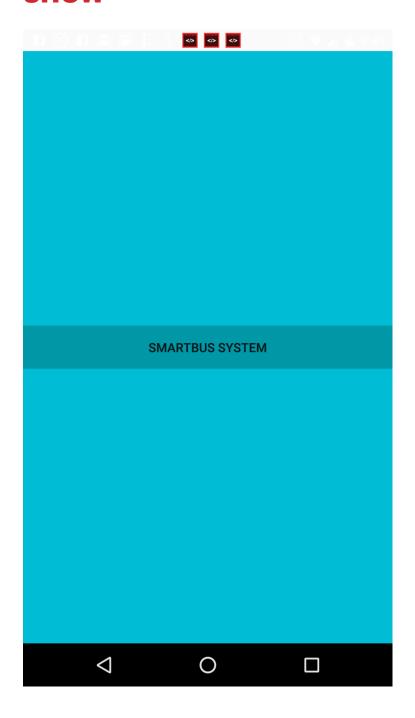
# SMARTBUS APP TUTORIAL

#### THE MOBILE CLIENT SIDE IMAGE SHOW

This is a project of SmartBus. This part consists of two parts: one is Android Mobile Client Application. The other is Java EE server for dealing with the data processing in the SQL database. This tutorial is to show how to use our app on Android smartphones. ---Stella

### SMARTBUS APP TUTORIAL

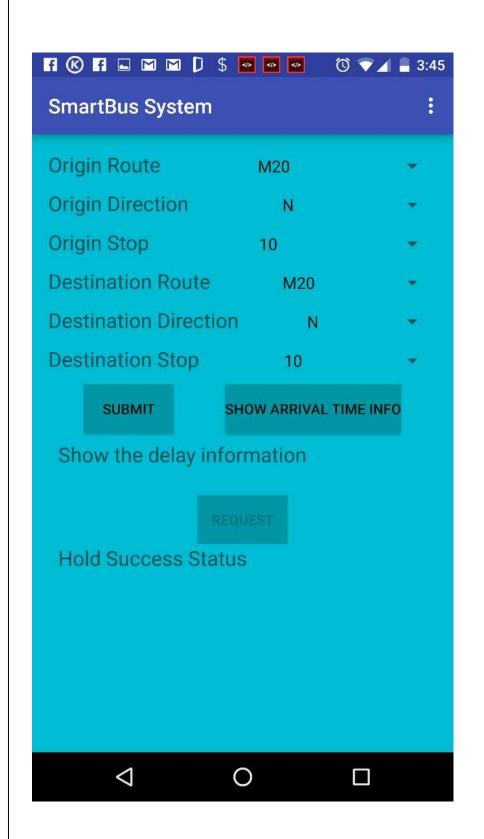
THE MOBILE CLIENT SIDE IMAGE SHOW



## FIRST VIEW OF OUR APP

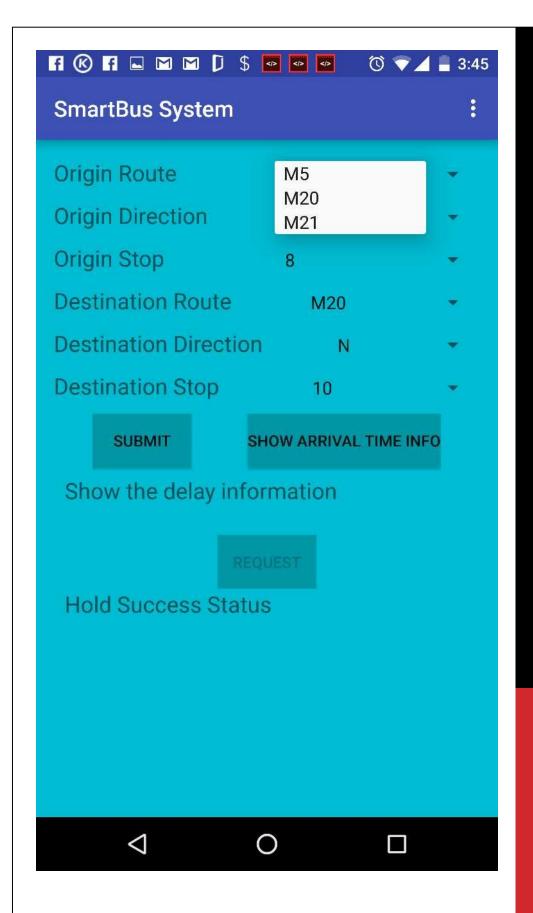
This is the first view of the smartbus app. You may add more option links on this view.

When you click the smartbus system button, it will show the next view, which is the main view of our app.

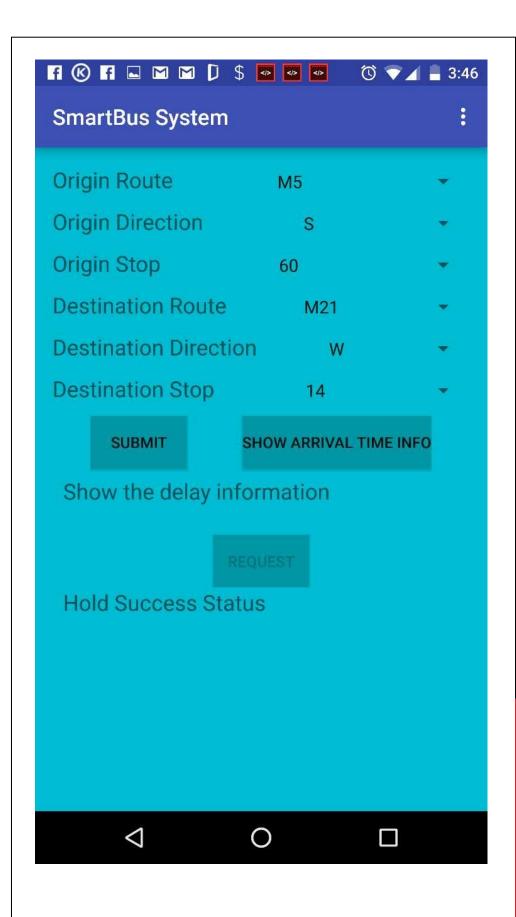


This is the main view of the smartbus app.
You can choose the origin route, origin direction, origin stop, destination route, destination direction and destination stop from the right lists. If you choose different route, the related direction and stop will be changed along with it. If you have chose your origin and

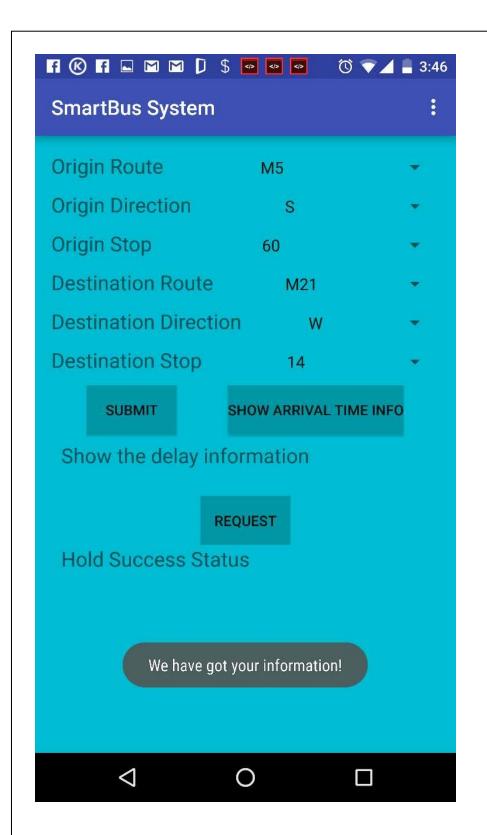
destination, you can click the submit button and the data will be sent to the database through our JavaEE Tomcat Server.



For example, you can choose origin route
M5 here as the image shows.



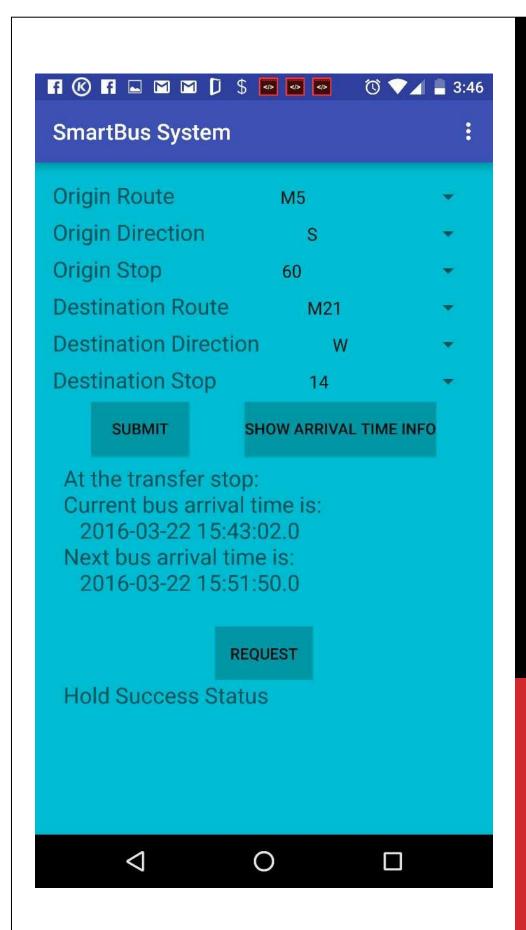
For example, you can choose origin route
M5 here. And then you choose origin direction
S, origin stop 60,
destination route M21,
destination direction
W and destination
stop 14 as the image shows.



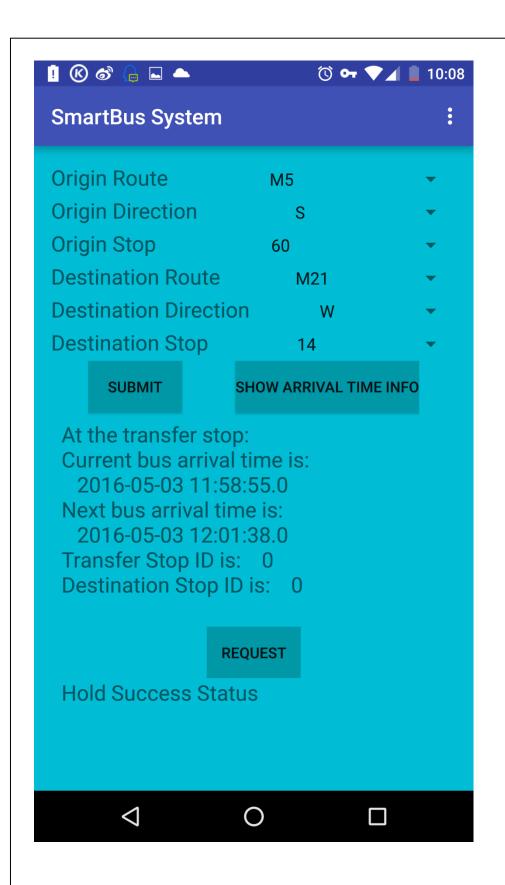
After you selected from the lists on the right side, you can click the submit button to send your data through server to the database. Then the app will tell you that "We have got your information" since here we are connected with the server. But if the server is not accessible, it will show "Sorry. Fail to connect

server. Please try

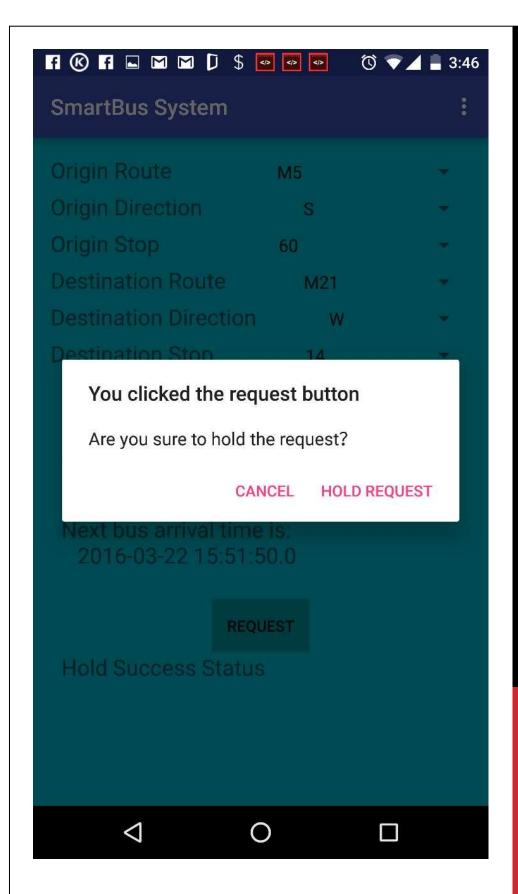
later.".



After you clicked submit button, you can click "Show arrival time info" button to show the arrival time information. Then "Show the delay information" will change to the information we requested from the server. This part will show the current bus arrival time and the next bus arrival time at the transfer stop.



This is the update
version. It can show
not only the arrival
time information, but
also the transfer stop
id and destination stop
id.

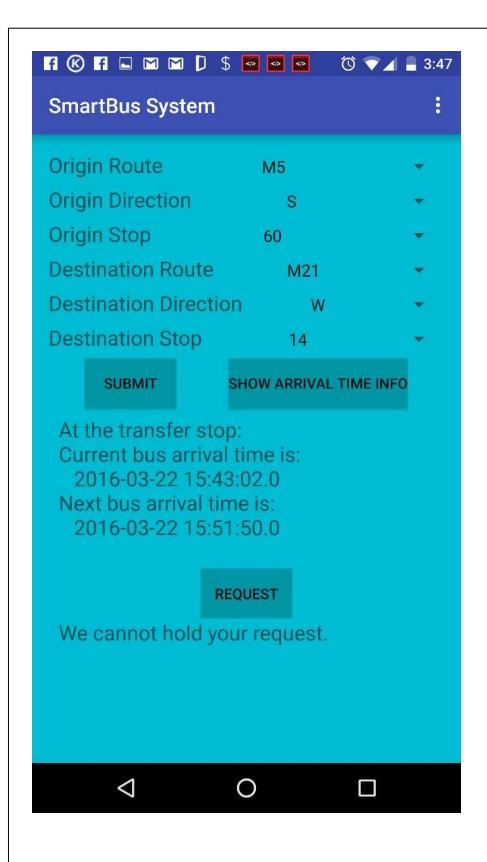


If you want to hold the request (to request the transfer bus and let it wait for you), you can click the "request" button at the bottom. An then a popup window shows up and ask you whether you are sure to hold the request. Since sometimes we may click a wrong button with no intent. With this we can avoid the unnecessary touch from the user. If you are sure, then you can

click the "Hold

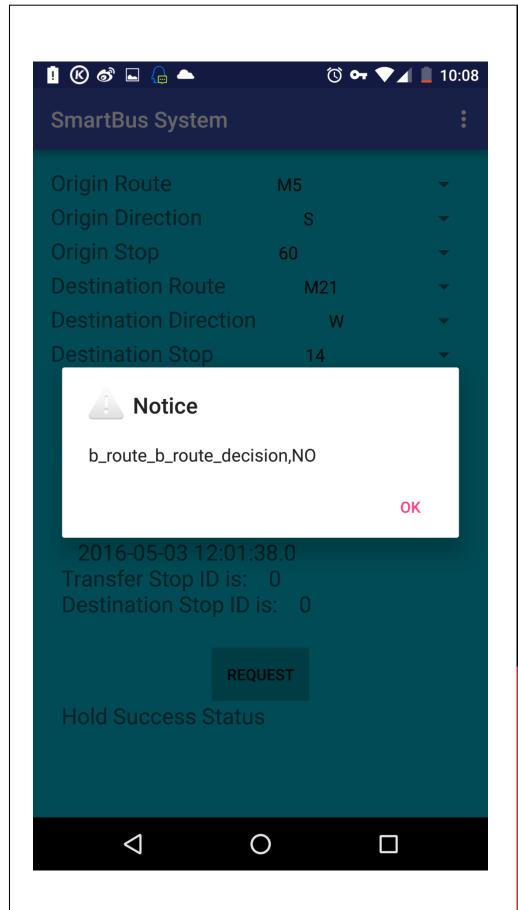
this window.

Request" button on



After you click the
"Hold Request" button,
you will find that "Hold
Success Status" will
be updated to "We
cannot hold your
request", which means
that you can catch the
next bus since there is
an interval time period
between current bus
arrival to the next bus
coming time. So it is
no need to hold your
request. Thus we

cannot hold your
request. If the request
is accepted (you
cannot catch the next
bus but the interval
time is very small), this
will show "Success
hold your request".



We will update the route information from the user click the "submit" button to send the route information. We update the route information every 20 seconds. When the route is changed, there will be a popup window shows related route change information. You can click "ok" to close this window. We update

the information in the

window directly to

windows.

avoid the redundant