



NEW YORK CITY COLLEGE OF TECHNOLOGY

**CITY TECH**

IMT1102 Production Practices

Proposal Submission

First Name Last Name

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**MetroCard Scanner Proposal**  
**by Mike Lecolant**  
**2/17/15**

# **MetroCard Scanner Proposal**

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My project proposal is a new way to utilize the metrocard system in New York City subway stations. Some people using metrocards tend to either swipe them too fast or just flat out don't understand how to swipe them correctly at all. When a station is crowded and commuters are in a rush, the people that swipe the cards incorrectly cause backup at the turnstiles which creates a headache for not only them but other commuters who are in a rush. I propose a whole system that makes going through the subway turnstiles way easier. It would be similar to the way the E-Z Pass system works. The user can either hold up the new card to a scanner or even pin it to your clothes so the turnstile can recognize it. If it can be scanned easier I believe that lines at the turnstiles can be sped up significantly. This new system could make the lines at the turnstiles less congested but also greatly reduce the headaches and aggravation that NYC subway riders face everyday.



**User Group:** NYC Subway Commuters

The idea I had was a different form of the Metrocard that subway commuters use. I would propose a different version of it, maybe something that can be scanned instead of swiped. It would work similarly to an E-Z Pass in that the gate/turnstile can scan it automatically when you are trying to walk through

**Design Problem:** Congestion in the subway stations

I came up with this idea because sometimes if people are in a rush to get on the train they swipe the metro cards too fast causing the turnstile to recognize it. If the card still doesn't go through the person then has to go see an attendant causing a bigger problem. If there's a line of people behind the person that can't swipe the card correctly it can cause congestion and backup in the station causing people to miss the train.

**Motivation:** Aggravation

Every morning if I'm in a rush there is always at least some people that A) can't swipe the card correctly causing a huge line or B) swipe it too quickly causing the turnstile not to recognize the card. It would be easier if the card didn't have to be physically swiped.

**Solution:** Scannable cards

I propose an E-Z Pass style card that you can either hold up to a scanner or even pin it to your clothes so the turnstile can recognize it. If it can be scanned easier I believe that lines at the turnstiles can speed up significantly.

**Outcome:** Quicker subway experiences and less headaches

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