

Normal Task Generation

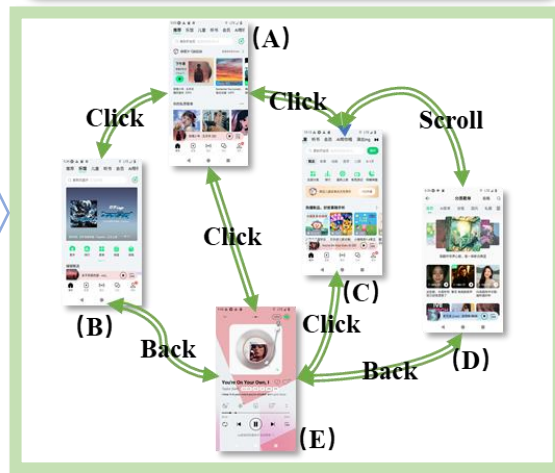
APP Corpus collection



Over 100 Android Emulators

Living anjuke 0.0613 wuba 0.0474 smarthome 0.0139	Transport didi 0.0274 gaodeMap 0.0191 cainiao 0.0236 BaiduMap 0.0175	Browser UCMobile 0.0285 QQBrowser 0.0142 UCBrowser 0.0122	System taptap 0.034 ludashi 0.0105 appworks 0.0092
Travel ctrip 0.0604 Qunar 0.052	Music ximalaya 0.0334 kugou 0.0304	Education zuyeyang 0.0228 youxi 0.0113 youxi 0.0113	Social xiaohongshu 0.0275 zhihu 0.0185
Shopping vipshop 0.0544 xiaomiShop 0.0322 duapp 0.0126	Reader seekbooks 0.0227 QQReader 0.0205	Office wpsOffice 0.0238 netmail 0.0104 singhuashun 0.0099	Picture androidesk 0.0191 mtbx 0.0179
	Video bill 0.0297	Health medicineshelp 0.0271	Weather smap 0.0072

Action Links Sampling



Task Instruction Generation

Instruction
Ins: Find the most popular Song in QQ music

Action Intent
The intention of this action is to enter the popular music recommendation page

Page Description
This is the main interface of QQ Music, which contains various types of music and recommended playlists.

```

"task_info": {
  "category": "Media Entertainment",
  "instruction": "Listen to (item) for beginners and create a to-do list.",
  "item": "a podcast episode on yoga",
  "app": [
    "Spotify",
    "Microsoft to do"
  ]
}
    
```

JSON+PNG

Mobile-Bench-v2



Noisy Task Annotation

Human Demonstration on real Machine

I : Please help me find Beijing's air quality index for tomorrow on Caiyun Weather



Noisy Pages in Cloud Weather

Ambiguous Task Annotation

Human Demonstration on real Machine

Help me find information about a singer.

OK, I will do it and ask you questions if necessary.

Which APP you want to use?

QQmusic.

Gender, nationality and style?

Male, Inland, Rock.

