R**P**LUS

MOCK PLUS Vs AXURE RP

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Introduction

- Mockplus and Axure RP are prototyping tools to create prototypes with drag and drop to support mobile web and desktop applications.

- Free trial versions are available for both tools.

- Focused on developing prototyping tools for UX/UI designer, developer, project manager and other IT professional.

HYPOTHESIS

1. **Evaluate the difficulty/comparison in using the prototyping tools.**

   This is to determine the ease of using either tools.

2. **Prototyping in one tool is quicker than another.**

   This is to determine the *time complexity* i.e. which prototyping tools requires more/less time to create a prototype.

Inclusion and Exclusion Criteria

Participants Inclusion Criteria:
- Adults able to consent.
- UMass Lowell students : 5 - 8
- English speaking subjects (Or have a good command of the language)
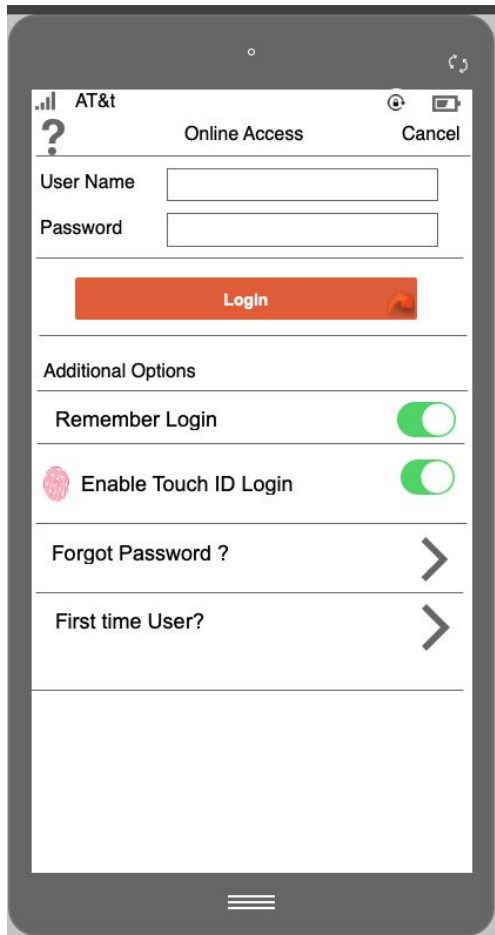- Subjects **with no or less knowledge** of the prototypes would be recruited.

Participants Exclusion criteria:
- Adults unable to consent (adults lacking capacity)
- Individuals who are not yet adults (infants, children, teenagers)
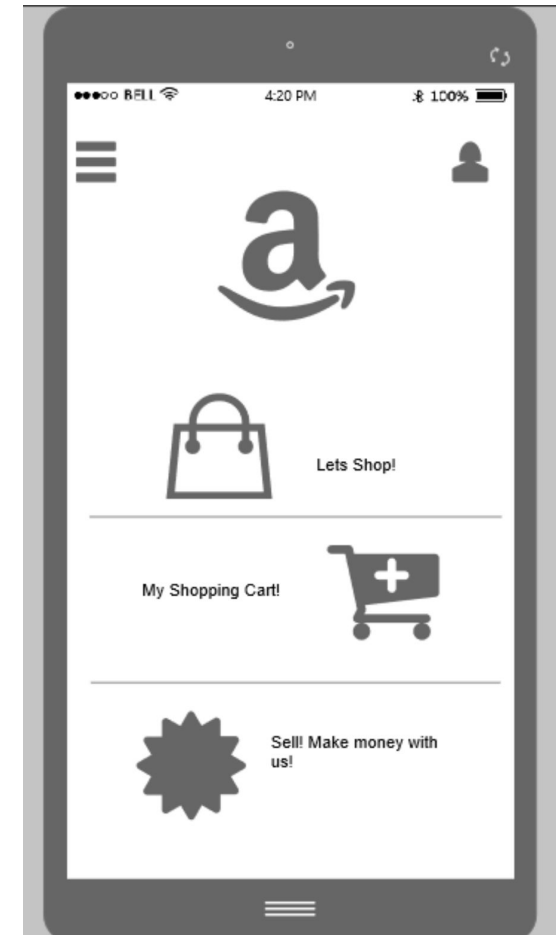- Prisoners
- Non-English speaking subjects

METHODS

- Created two mobile prototypes: **2 Tasks**

- **7 Participants**

TASK 1

TASK 2

- Consent Forms

- **Quantitative Data**
  - Time recorded for two tasks in both the tools
  - Post survey with Likert Scale of 1- 7

- **Qualitative Data**
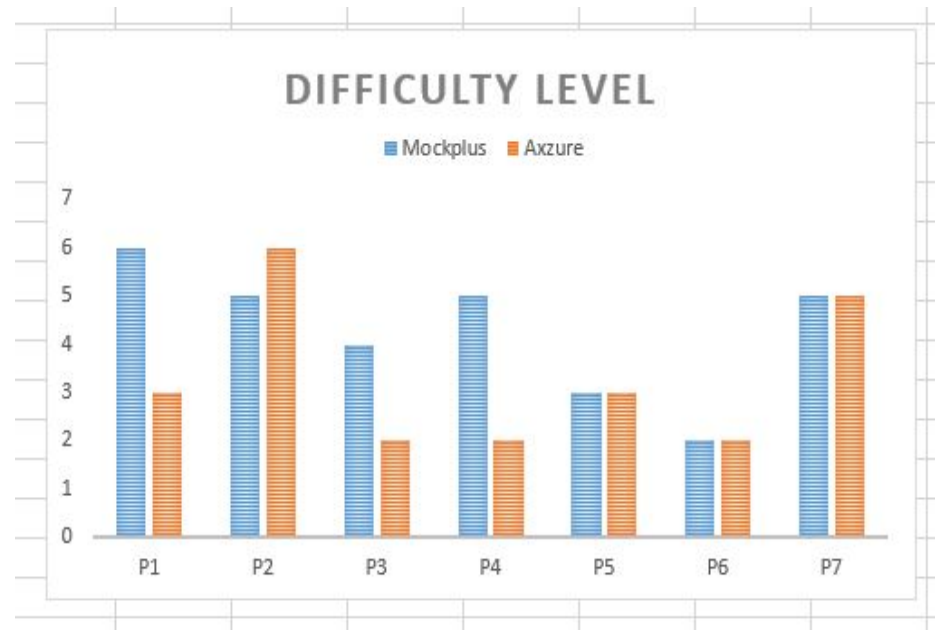 - Recorded Questions during the performance.
  - Screen Recording

Few Post Survey Questions on Likert Scale

- The task was easy to implement
- I will recommend the MockPlus/AxureRp to others
- I was frustrated while performing the task
- I enjoyed while performing the task in tool
- I felt pressured while doing the task

RESULTS

Hypothesis 1

- **42% users found prototyping in Mockplus either easier than or equally difficult to Axure.**

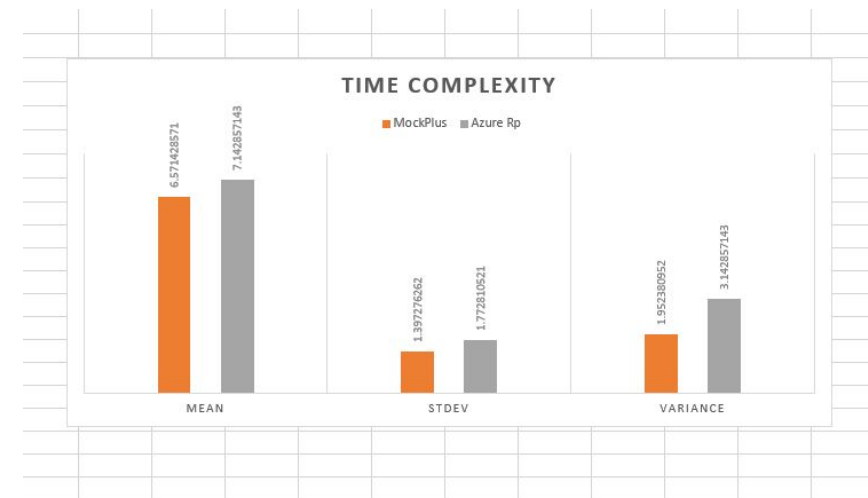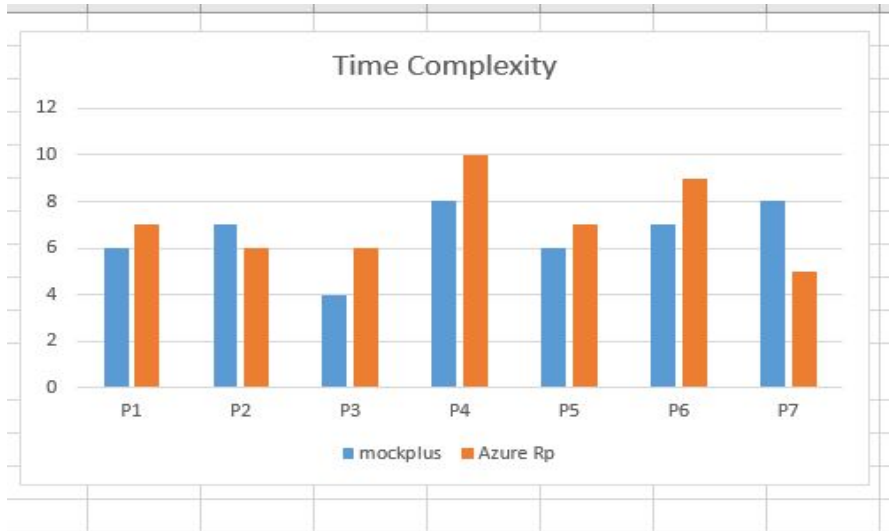- **14% users found prototyping in Axure more difficult than Mockplus.**

0 : Difficult
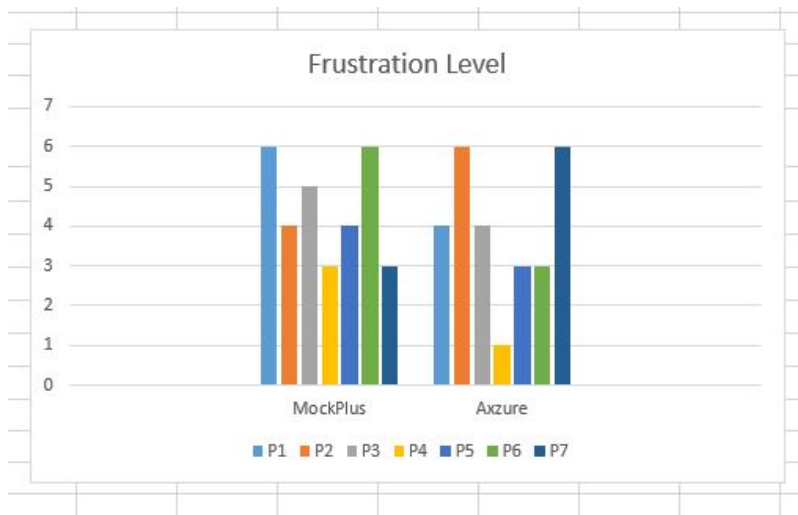7 : Easy

P1… :Participants

Hypothesis 2

- **Statistical Method: T- test**
  Statistical test to determine whether there is a significant difference between means of two groups.

- **Observation**
  - p = 0.51
  - By conventional criteria, this difference is considered to be not statistically significant.

SCREEN RECORDING
BASIC ANALYSIS

- **High use of 'Search Box' or 'Search Tool.**

- **Widgets/icons are difficult to locate.**
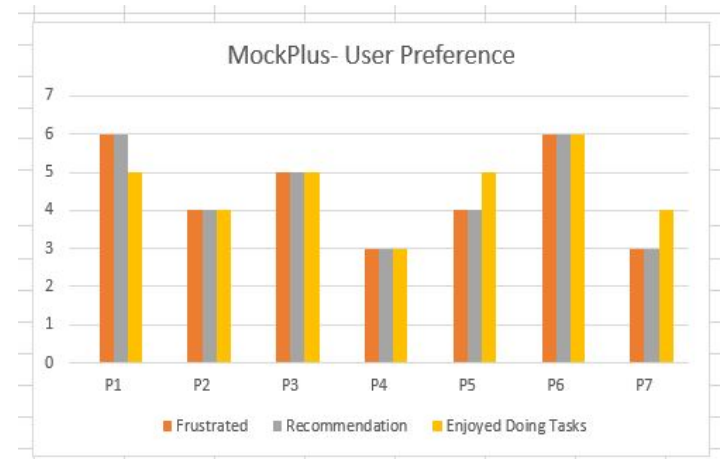
- **Link button is less easily visible.**

POST-SURVEY ANALYSIS

- **Frustration Level**
- **Completion Rate.**
- **Satisfaction**
- **Recommendation**
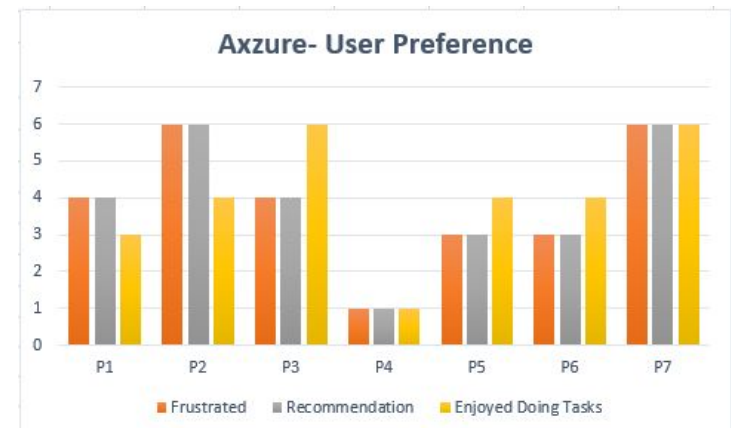- **Enjoyment**

CONCLUSION

User Preferences

- Less frustrated after doing the task in Mockplus than Axure.
- Frustration was proportional to Recommendation.
- Enjoyed working with Axure more than Mockplus.

User Performance

- Difficulty Level: High in Axure, Low in MockPlus
- Time Complexity: High in Axure, Low in Mockplus.

Questions ?