HCI: UNDERSTANDING USER

HCI COMP341
Need Identification, and Requirement Analysis

REVIEW

- Examples

- Evaluation Criteria

- Requirement Analysis

OVERVIEW

- Users need

- Analyzing Data

- Good Requirement

- Demo

ASSIGNMENT

INTERACTIVE KIOSK

how do they look like in real life?
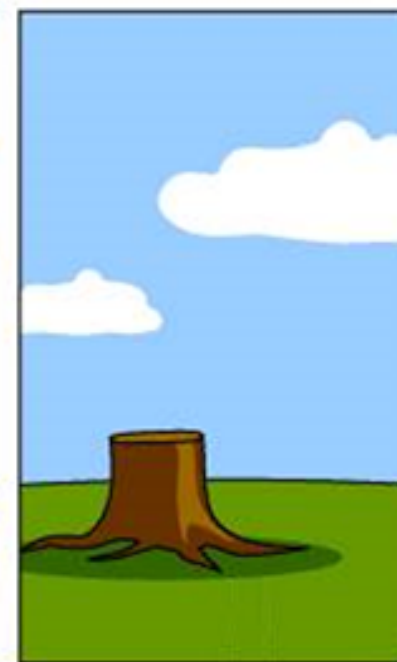
INTRODUCTION

unique perspective

UNDERSTAND USERS

Know what they need

BUT HOW?

COLLECT DATA

produce stable set of requirement
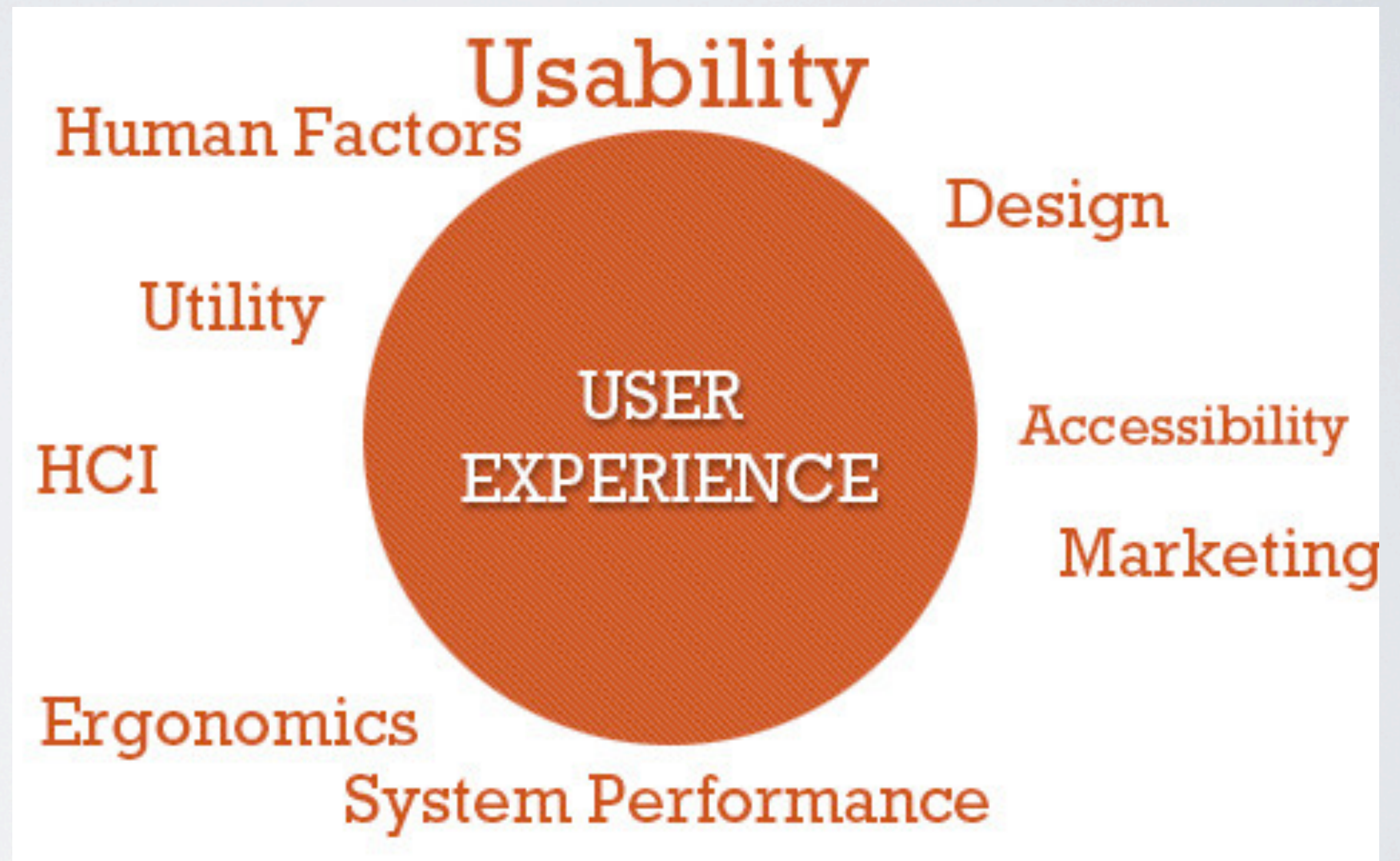
WHAT IS GOOD REQUIREMENT?

GOOD REQUIREMENT

- Clear

- Complete

- Addresses user need

- Related to Data

TYPE OF REQUIREMENT

- Functional

- Data

- Environment

- User

- Usability

EXAMPLES

GAS STATION

- **Functional:** The system will dispense and calculate the total cost of gas

- **Data:** The system must have access to current gas price costs

- **Environmental:** Systems will be used in gas station forecourt. Physical environment will be noisy and busy.Users will be in a hurry.

- **User:** Anyone of legal driving age with a fair understanding of technology.

- **Usability:** System needs to be simple. Next steps need to be clearly indicated.

FASHION CLOTHES WEBSITE

- **Functional:** Allow consumers to browse and purchase clothing merchandise online

- **Data:** The system must have access to prices, pictures of merchandise, and up-to-date stock levels. May also need access to

- **Functional:** Allow consumers to browse and purchase clothing merchandise online

- **Environmental:** Widely distributed, usually home or office. The website must be viewable in a browser such as Internet Explorer

- **User:** Anyone with interest in clothing purchases

- **Usability:** Simple to operate. Give feedback on stage is sales process. Distinguish buying from "window shopping" payment application.

DEMO
interactive kiosk at EEIC, Nepal

MANY THANKS