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Zoo IIT

Partner: Brookfield Zoo
Speakers: Aya Eid, Taylor Dreher, Anthony Alesia, Romit Girdhar
Faculty: Cindy & Dennis Hood

Team Members:

Anthony Alesia	Qiaoqiao Chen	Aya Eid
Taylor Dreher	David Dziuba	Jiang Lan
Romit Girdhar	Suliman Ibrahim	Jianqi Xing
Albert Hutchful	Justo Moraga	Mitsuru Chiba
Matthew Miller	Adam Winterbauer	Jennifer Puzewski
Natalie Szulyk		

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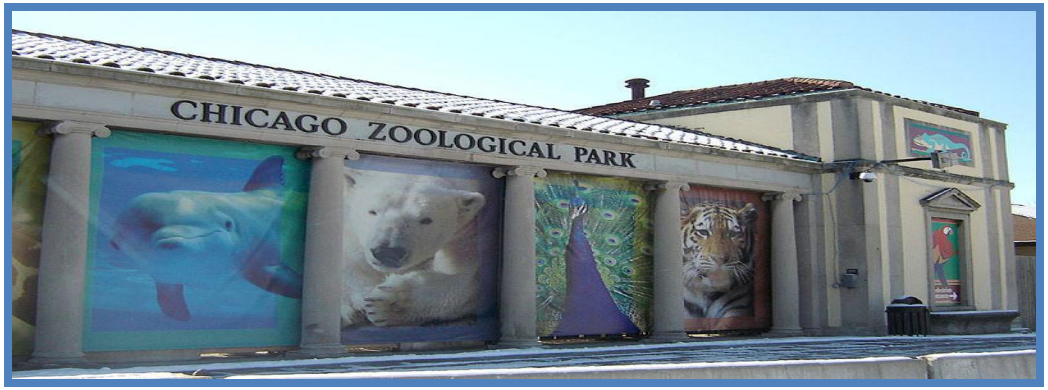
- Brookfield Zoo
  - Opened 1934
  - Recently created exhibits
  - Mission:

"...to inspire conservation leadership by connecting people with wildlife and nature."



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- Similar Applications
  - Do not have Guided Inquiry
  - Do not have interactive map
- Integration of all these different specialties into our application.
  - Trip Planner
  - Magnetic Compass.

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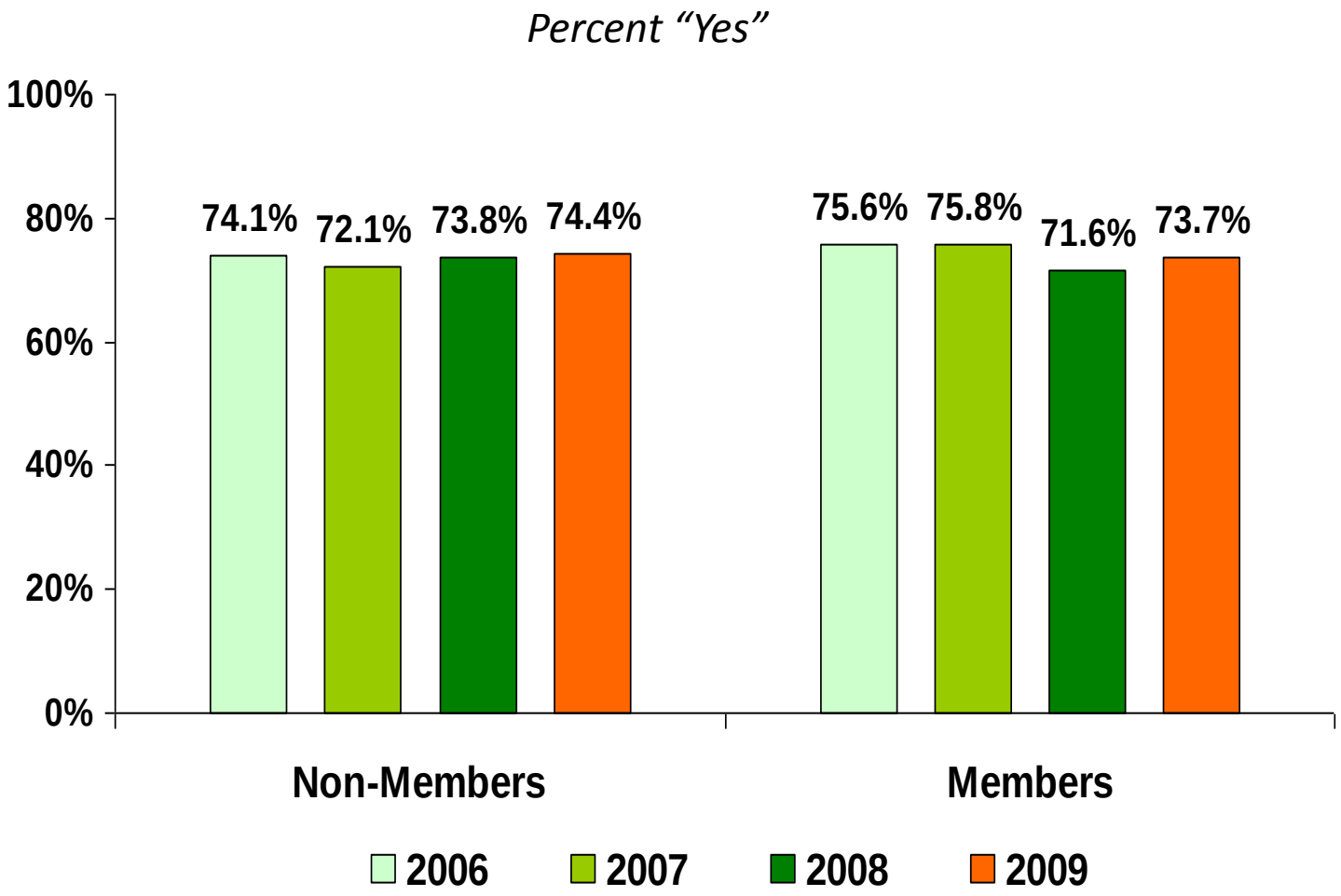
- Animal Classification
  - Guided Inquiry
- iPhone Application Development
  - User-friendly

During your visit today did you hear any zoo staff member talk about animals or their habitats?



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- Motivation
  - Zoo Survey on Experience
    - Interact with Zoo Staff Member
    - Enhance Overall Experience
      - Rated High on Zoo Survey
      - Satisfied by their visit.

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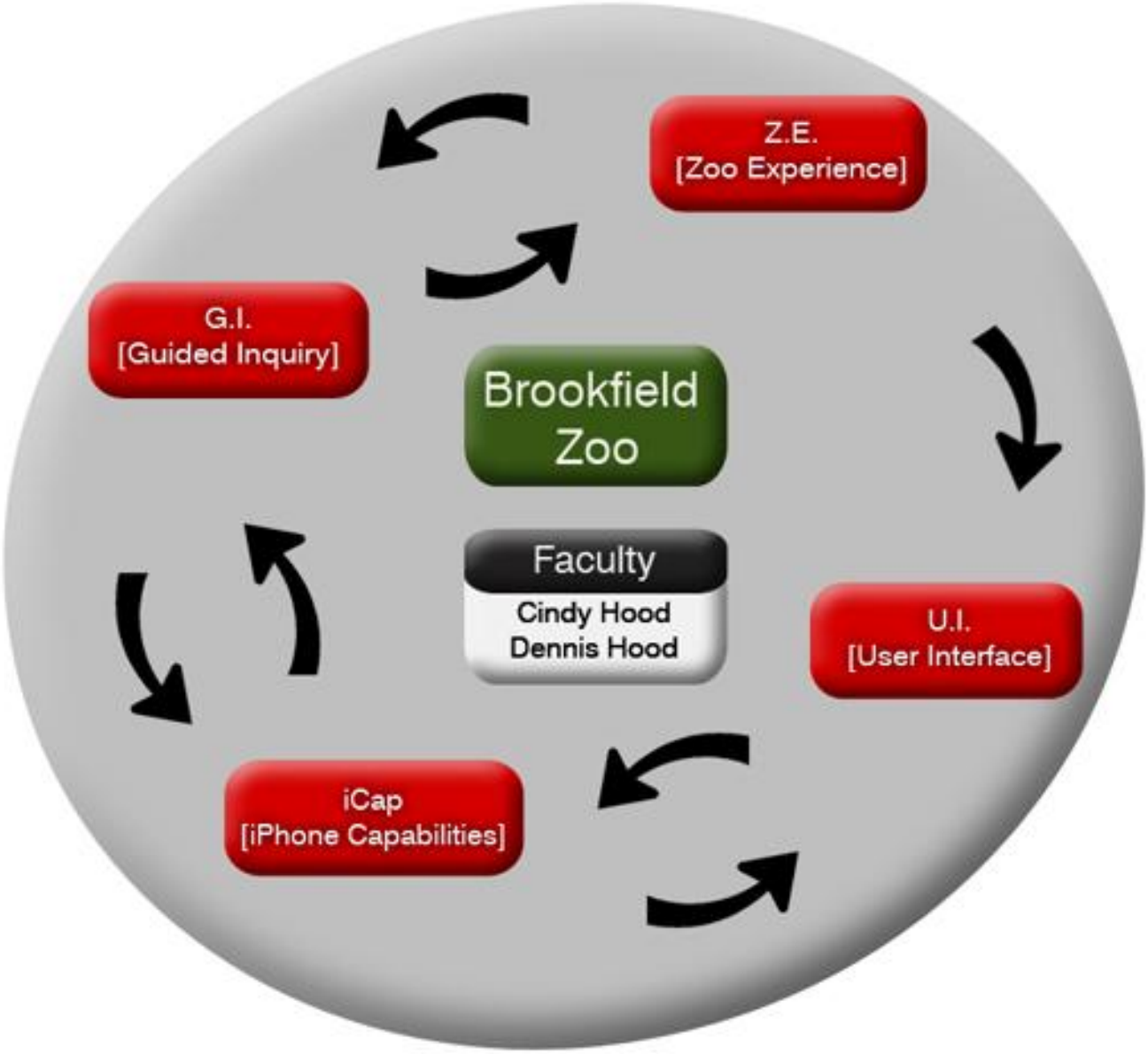

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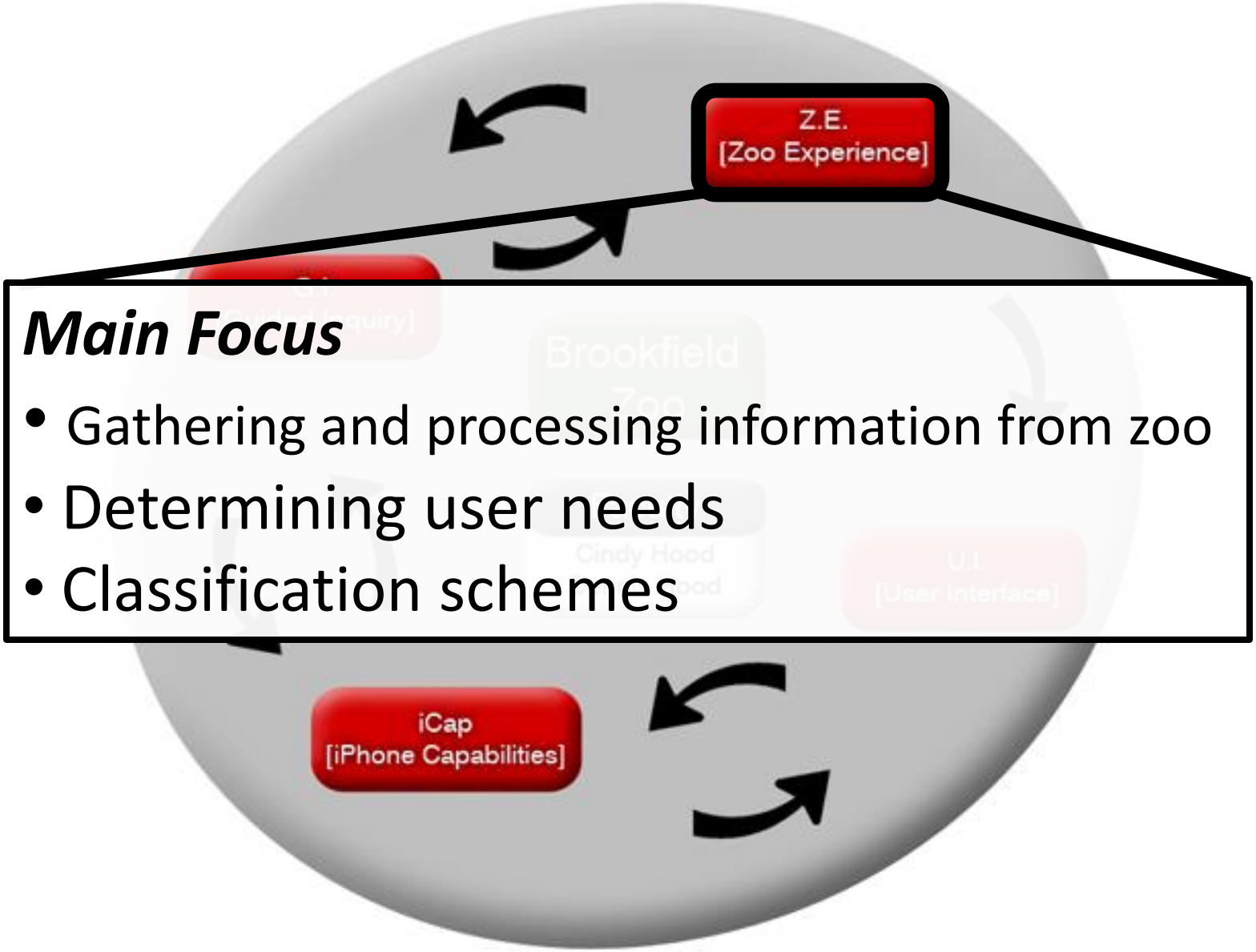

Main Focus

- Gathering and processing information from zoo
- Determining user needs
- Classification schemes

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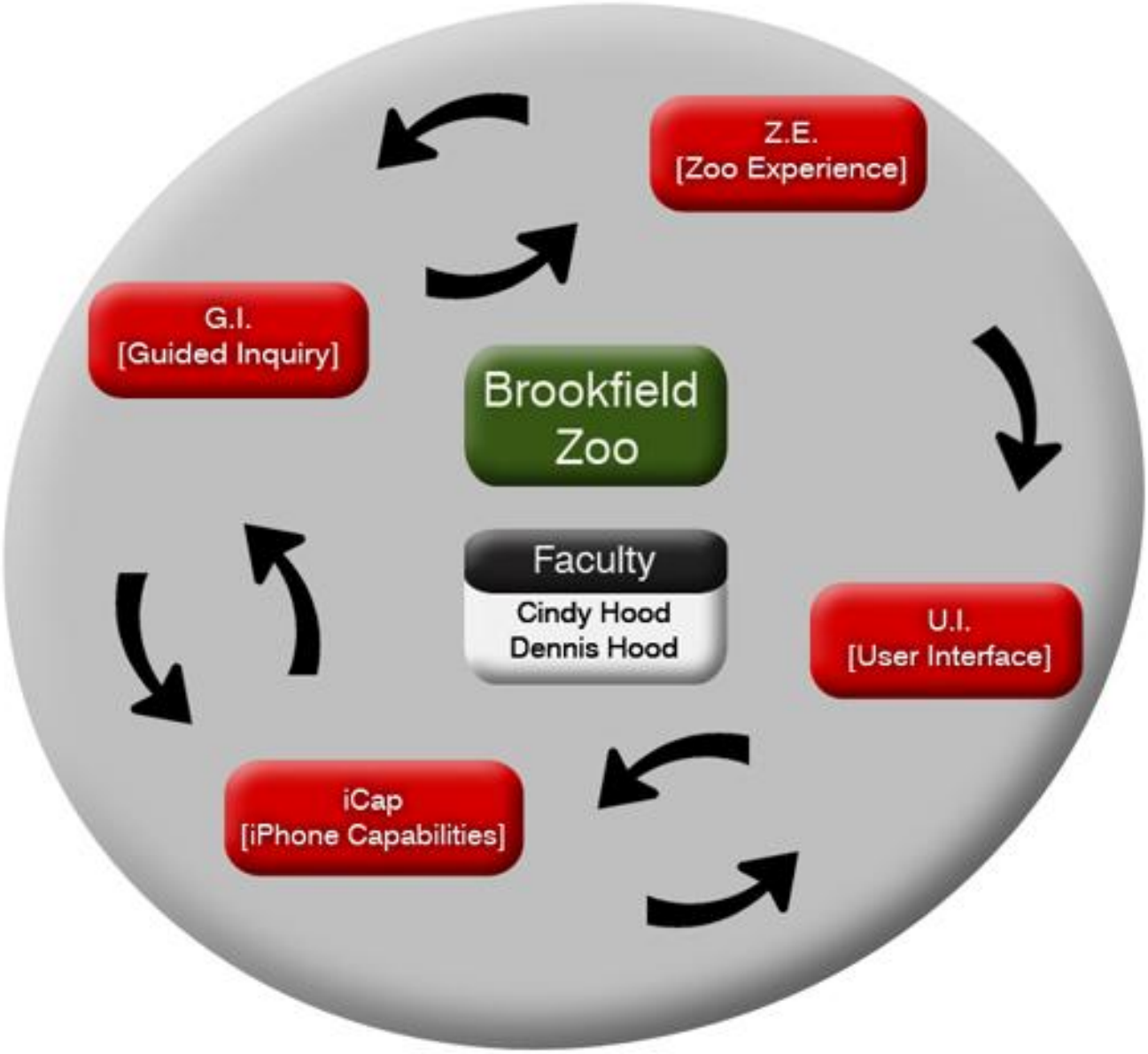

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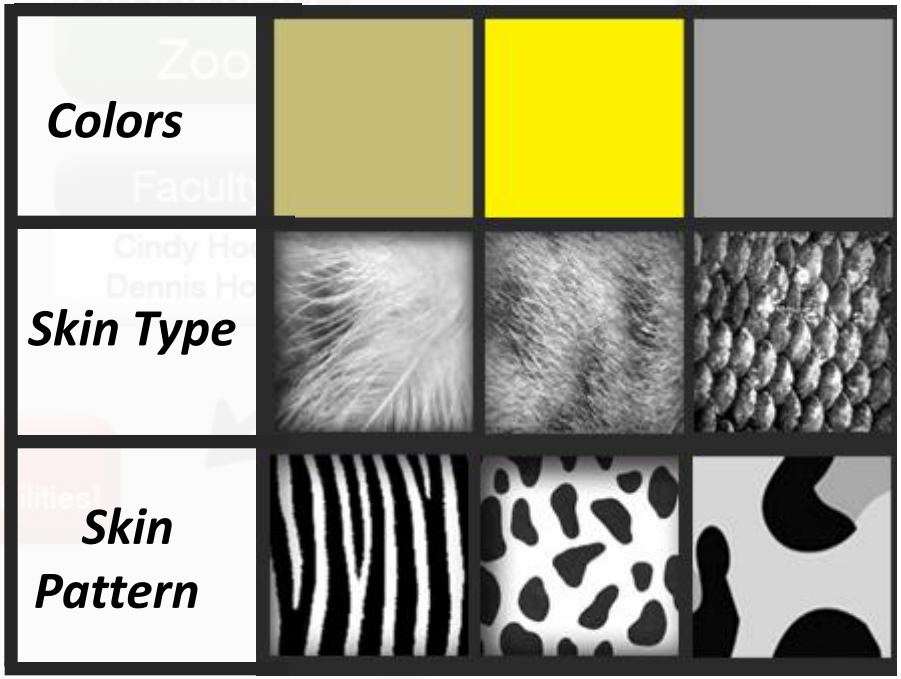
G.I.
[Guided Inquiry]

iCa
[iPhone Ca

Main Focus

- Animal phenotypes
- User-accessibility
- Identification method



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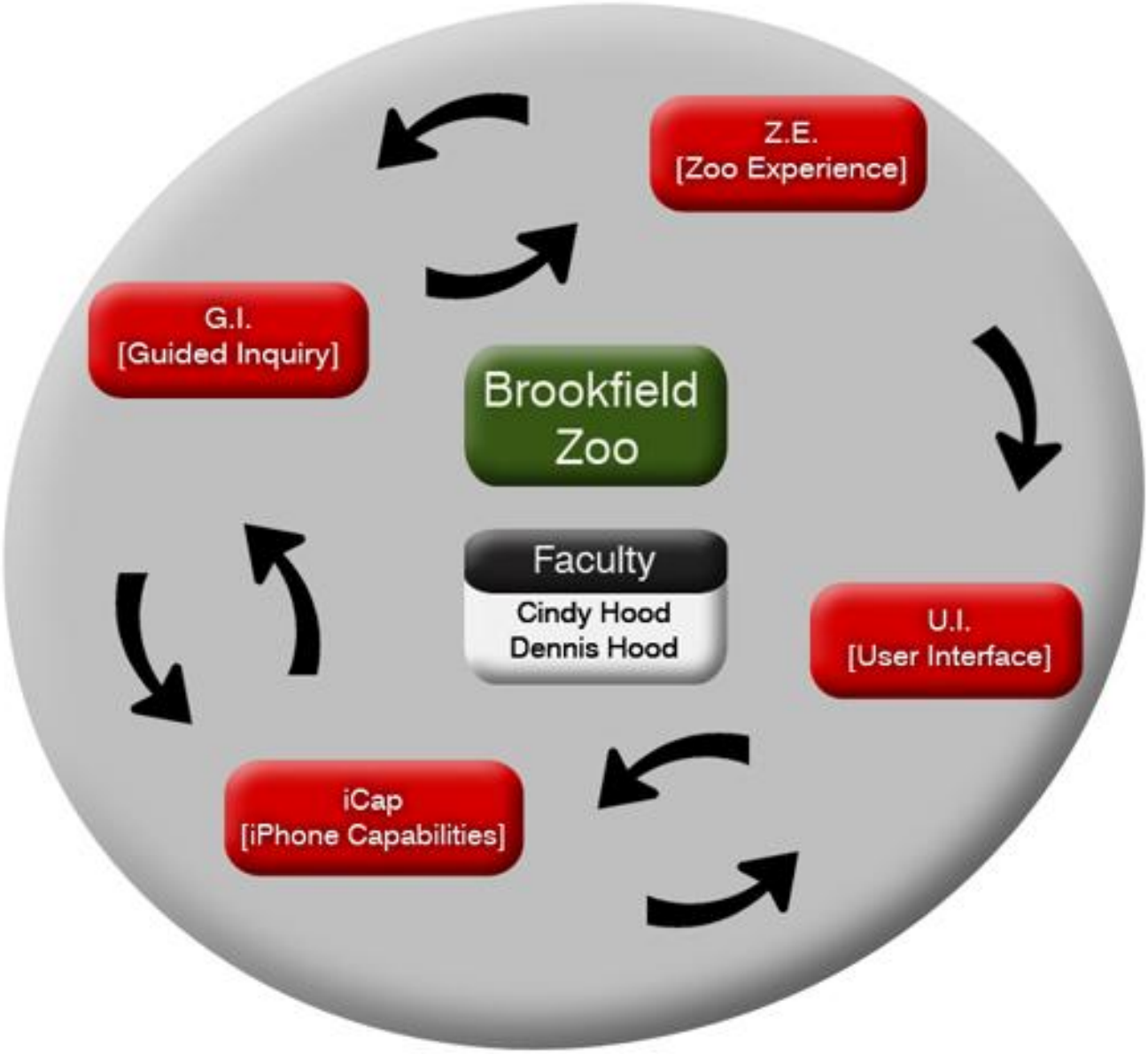

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Main Focus

- General layout and maps
- Guided Inquiry functionality
- Compared features from other apps
- Utilized prior work

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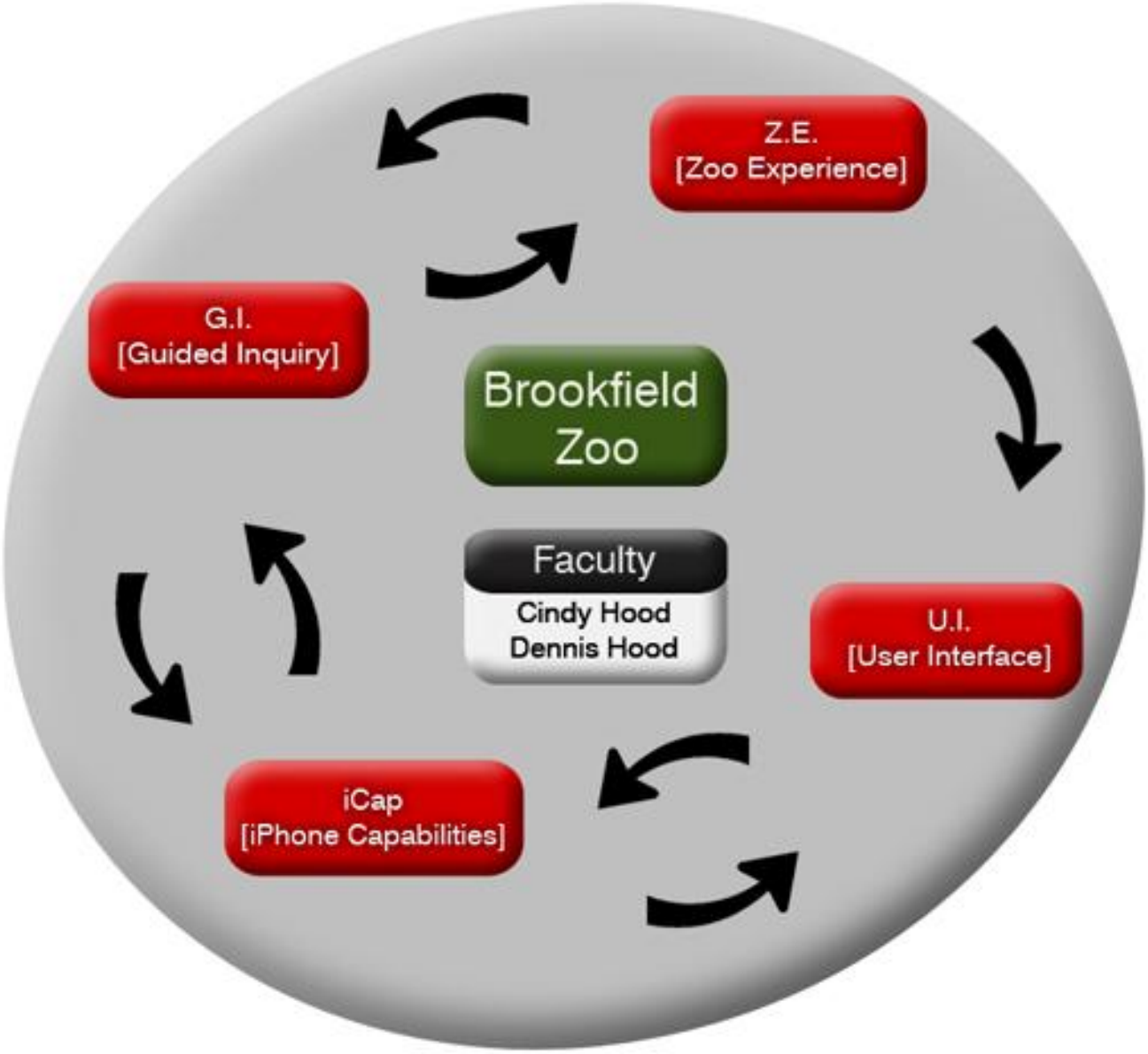

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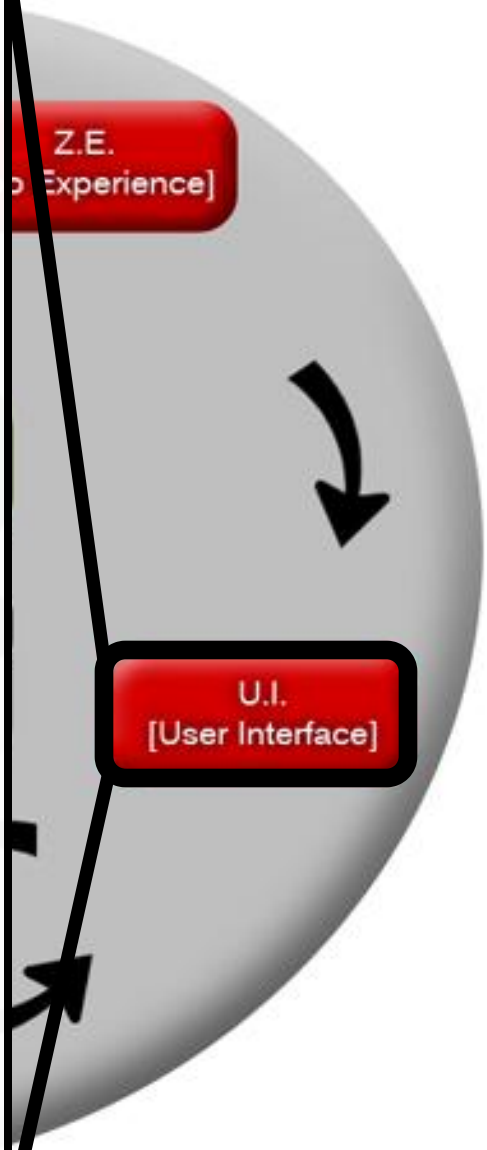
Main Focus

- Home Page Design
- "Jungle Safari" theme
- Simplicity and visual clarity



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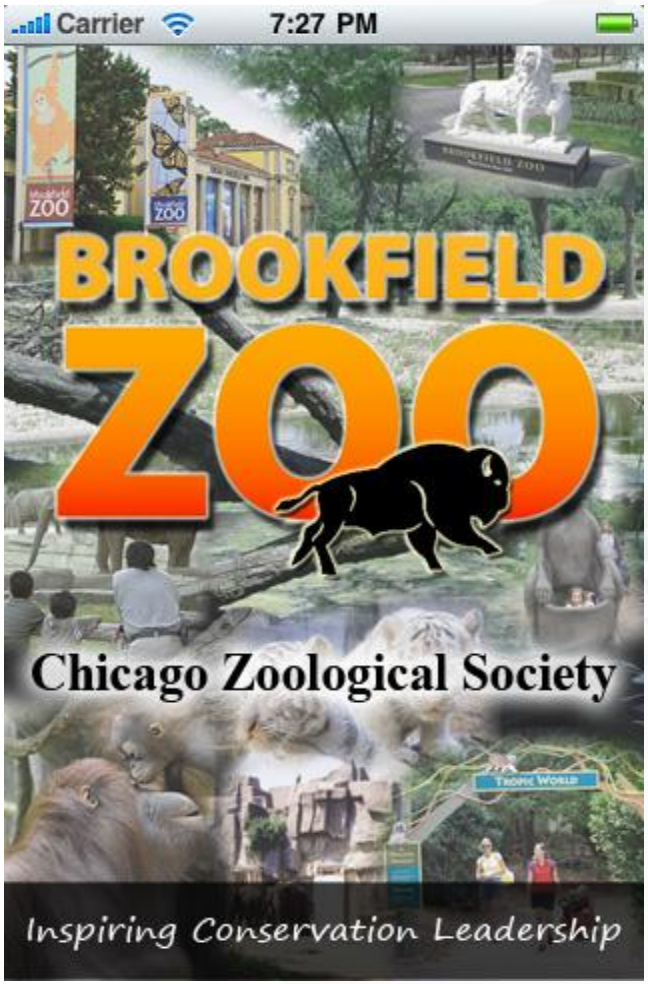

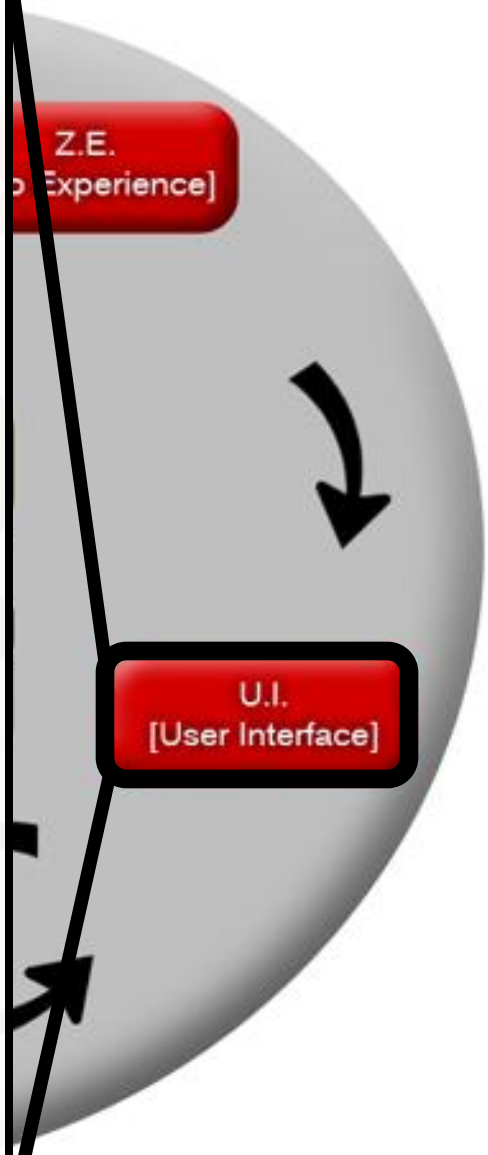

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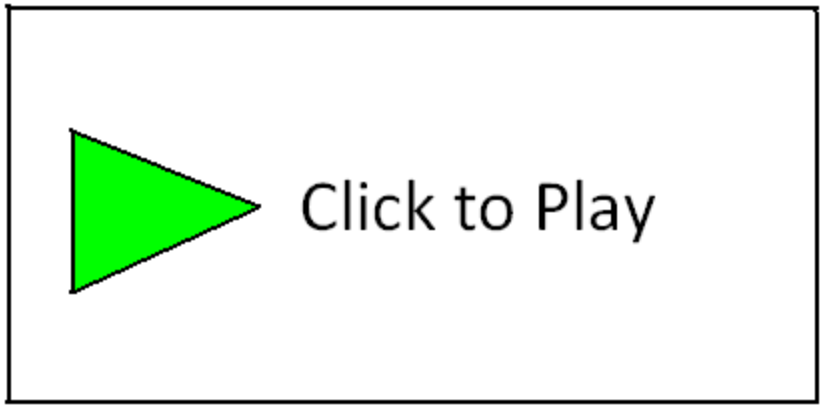
Guided Inquiry Demo Video



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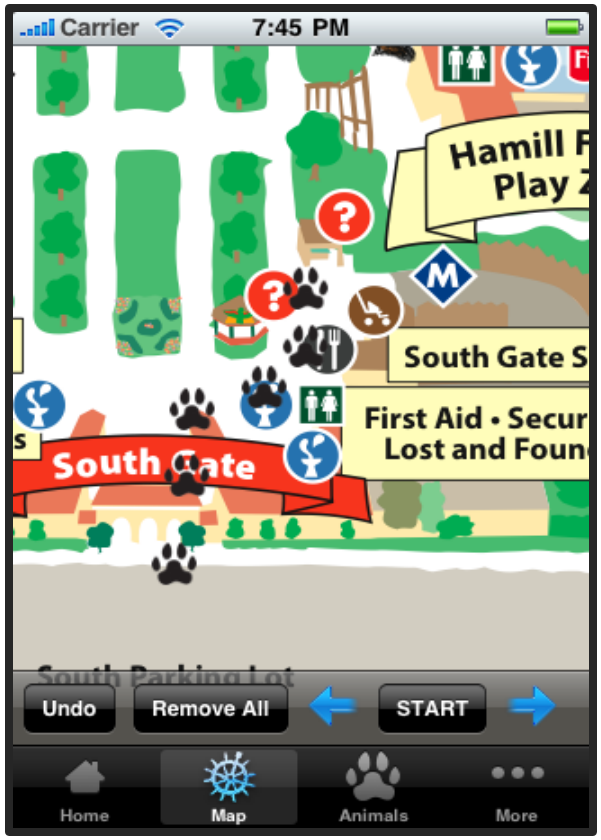
- Animal Information
  - Gather information for the Zoo
  - Determine preferred information to show user
- Guided Inquiry
  - Case study: Fragile Kingdom
  - Create scenarios for those animals

- Application
  - Guided Inquiry functionality
  - Trip planner



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- Narrowing down the scope
  - Time
  - Ability
  - Priority
- Challenges
  - Ethical Concerns
- Simplicity and usability
- Foundation for future work

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- Expand
  - Zoo
  - Global
- More Efficient Identification Scheme
- Including GPS features
  - Live compass
  - ‘Locate Me’ Feature

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- Other platforms
- Additional Features
  - Games
  - Live Events

Questions?