



Social-PPM: Social-Aware Personal Process Management

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CONTEXT

We implemented a mobile system allowing the flexible sharing of personal experiences (called Personal Processes) via the use of social network concepts and the integration of a general framework for automatizing tasks.

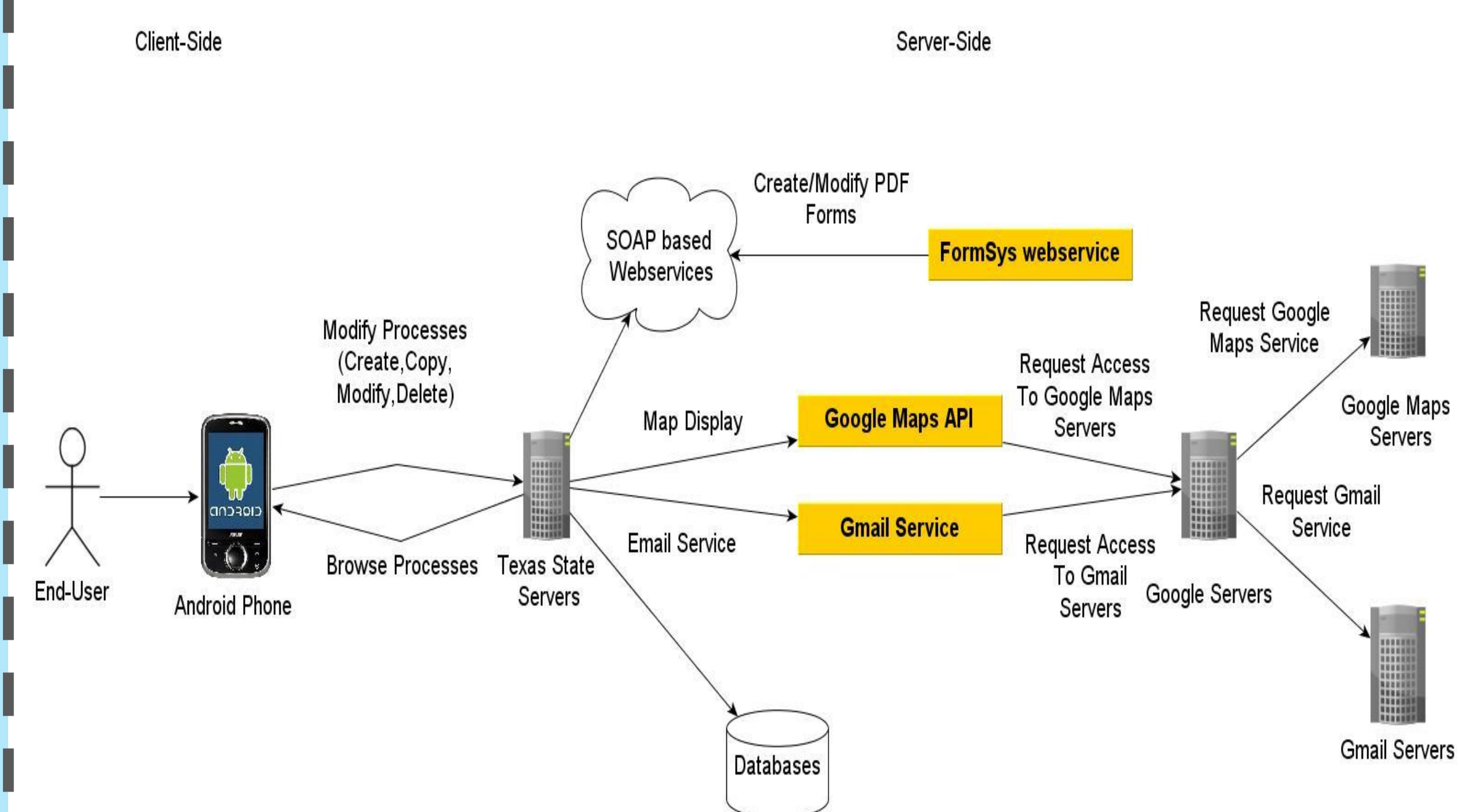


PROBLEM

- Many processes in everyday life, but the efforts are not reusable once a process is completed.
- Many of those processes are repetitive, but we need to redo them every single time: filing a tax form, applying for visa,...
- No efficient way to share our expertise with others.
- No automatic task execution.

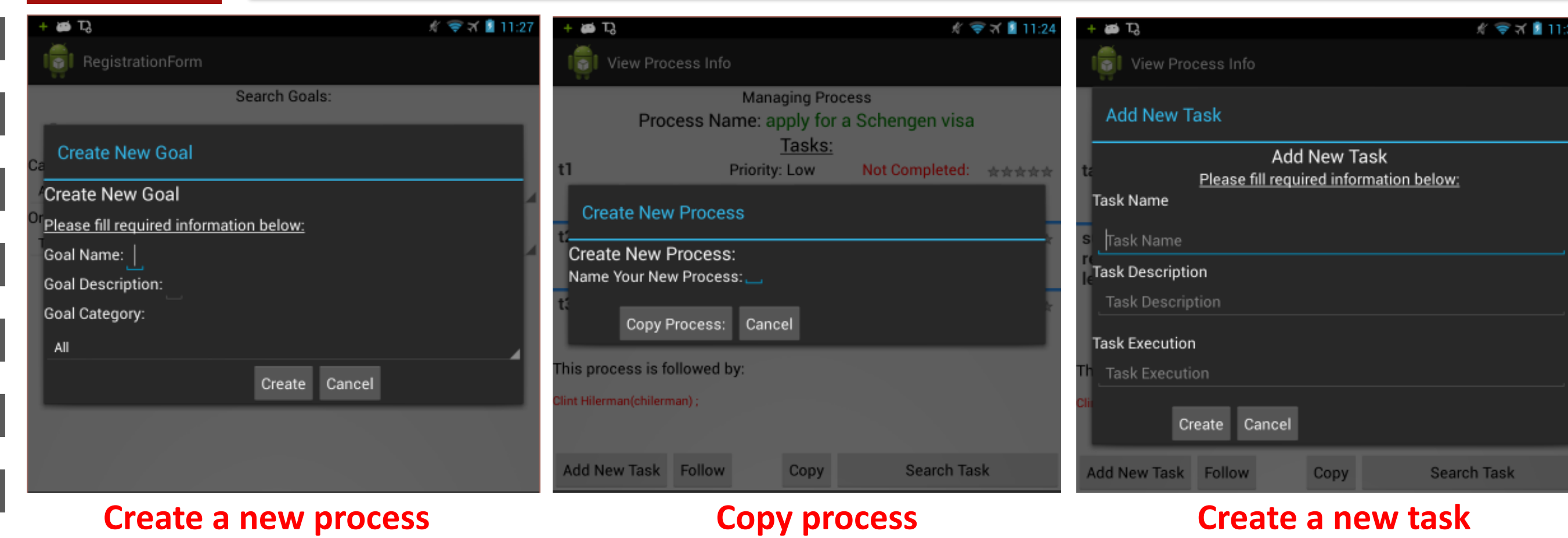
OVERVIEW OF THE SYSTEM

- A mobile client that supports the highly exploratory process creation and execution.
- An intuitive way to query and search personal processes that allows users to maximize their productivity.
- A Recommendation System that leverages contextual knowledge and social relationships between users.

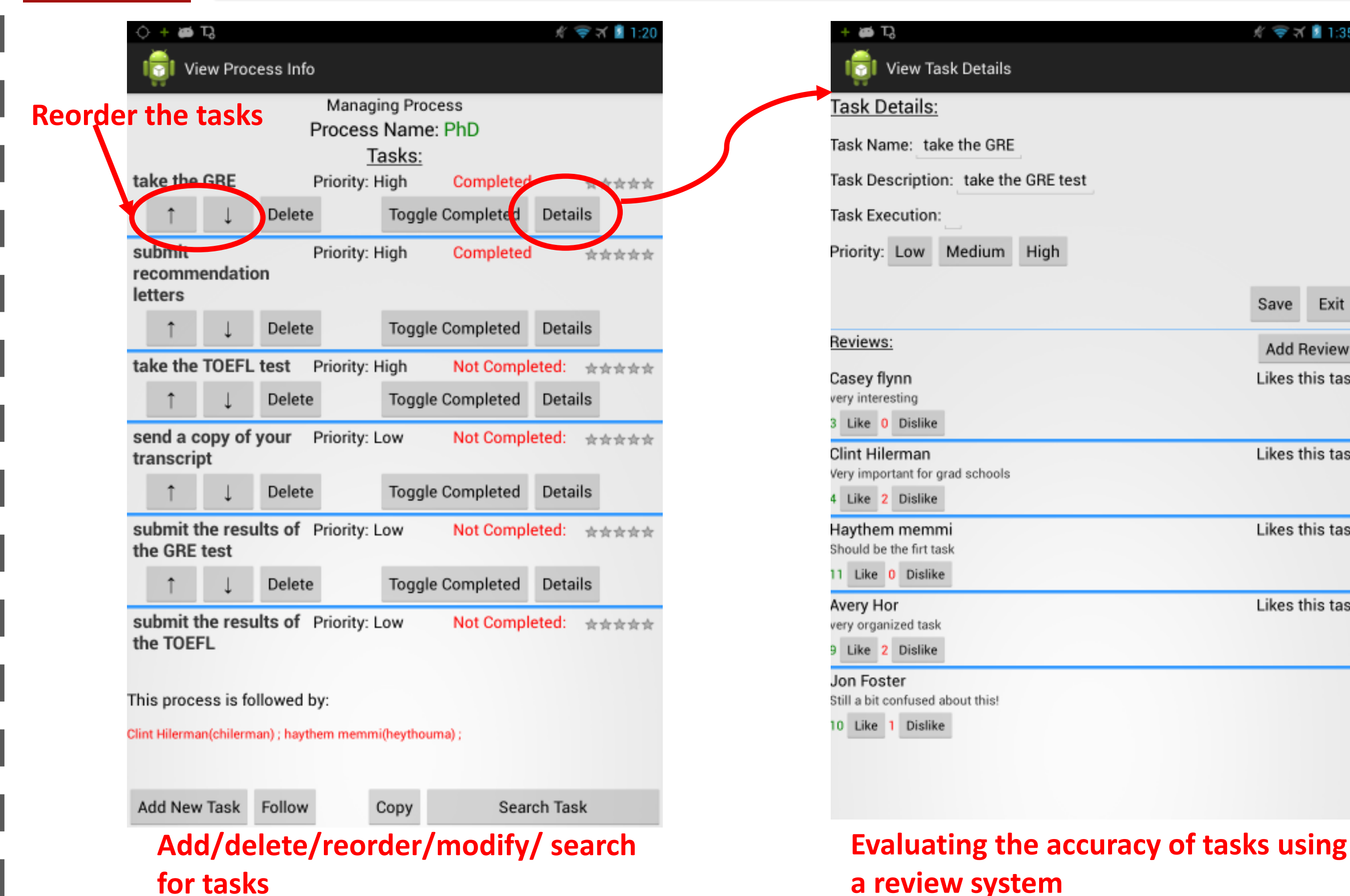


APPROACH/RESULTS

1 Process/Task Creation



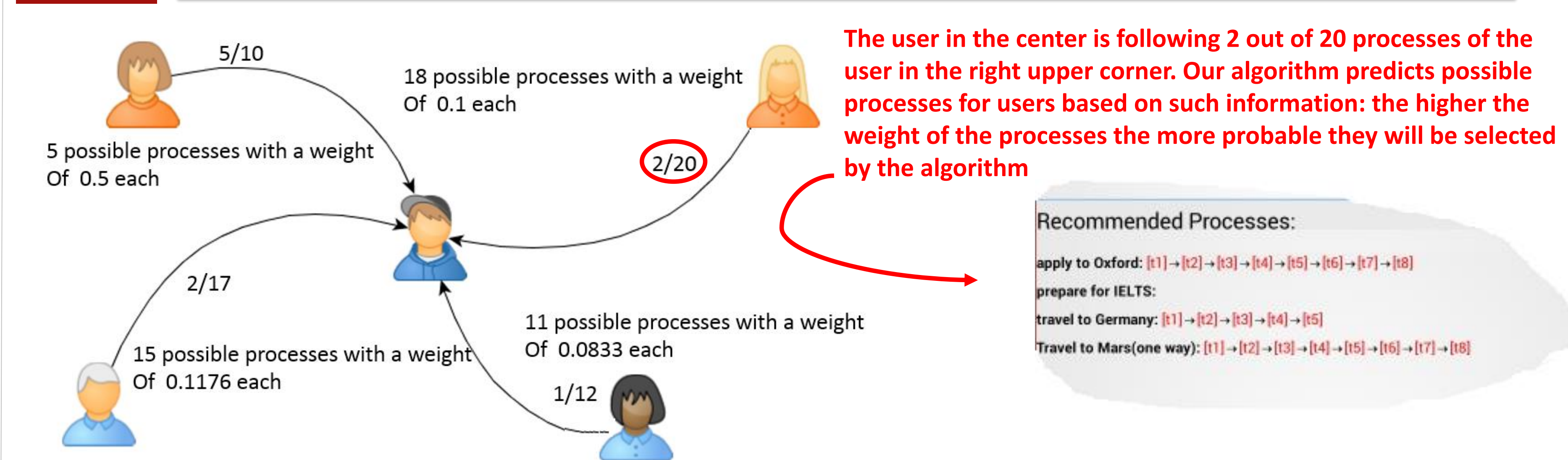
2 Process/Task Management



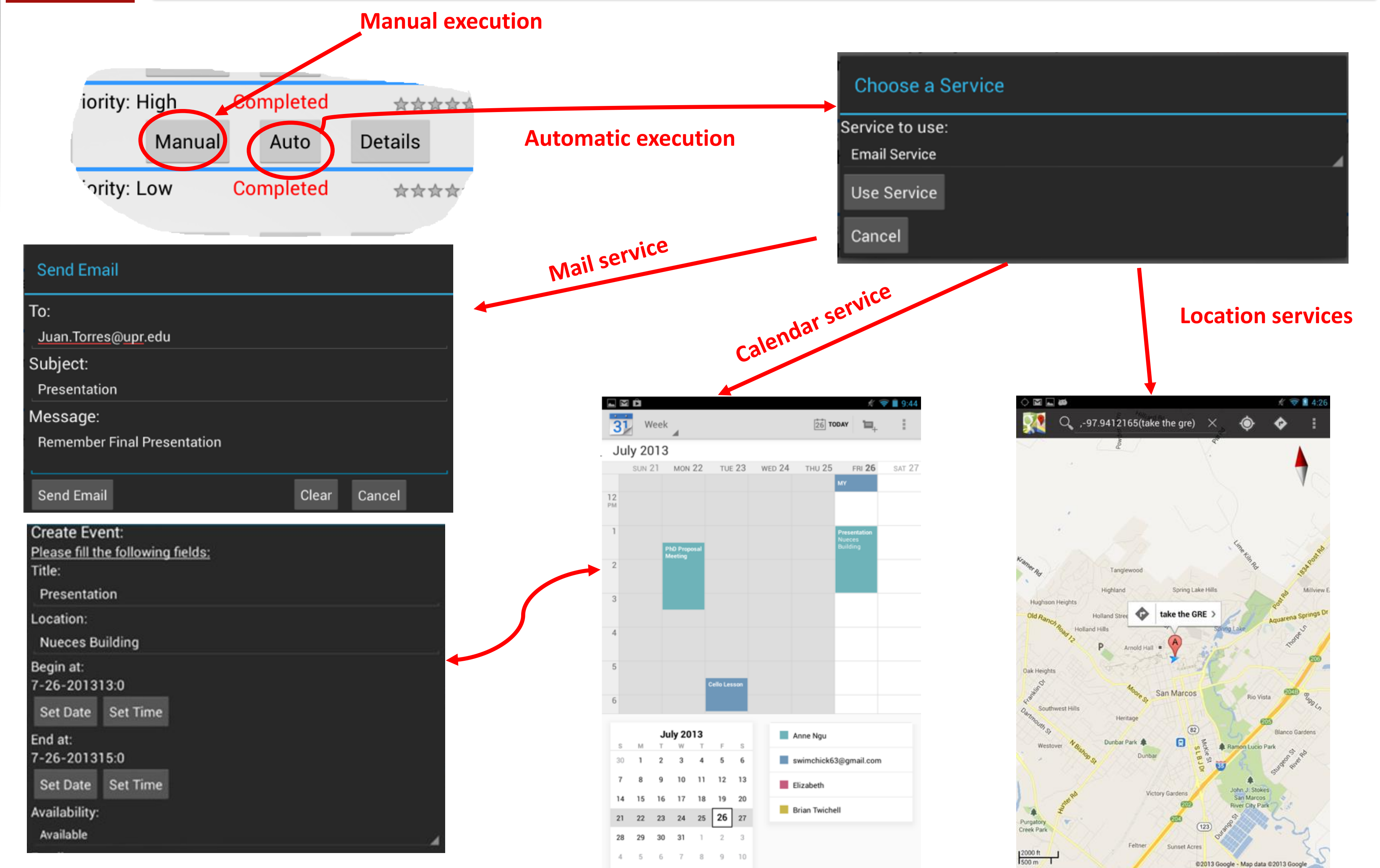
3 Socially-Aware Management



4 Recommendation/Prediction System



5 Automatic Task Execution



CONCLUSION & FUTURE WORK

- We developed an innovative platform for Personal Process Management that is accessible via any mobile device. Our system implements a flexible systematic approach for users to create, share and reuse their personal experiences.
- Through automatic documentation and sharing of personal experiences, we can leverage "collective intelligence" and avoid costly or inefficient steps in executing our personal processes.
- Our future work will include:
 - Enhancing the prediction algorithm for processes based on a user's usage of the system, user's profile, and user's interactions within social networks.
 - Improving the process search by ranking results based on users' reviews.
 - Implementing a general framework for adding other services for automatic task execution.