Computerized Application for Paper-less Examination Screening system for Recruitment

Smart India Hackathon 2018
30-31 March 2018

Problems faced by Job Seekers

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- **Time, funds, different exam centers**
- **Strikes / Bandh**
- **Unaffordable, Non-availability of transportation**

Problems faced by Recruiters

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- **Selecting examination centers, supervisors, invigilators**

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Problems faced by Recruiters

- **Selecting examination centers, supervisors, invigilators**
- **Transportation, security of question papers, answer sheets**
- **Paper leak, re-examination**

Proposed Solution : CAPES

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- **Computerized Application for Paper-less Examination Screening (CAPES) system for recruitment**

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- **Examination as web based centrally controlled software solution**

Proposed Solution : CAPES

- **Computerized Application for Paper-less Examination Screening (CAPES) system for recruitment**
- **Examination as web based centrally controlled software solution**
- **Mobile application**

Solution Architecture

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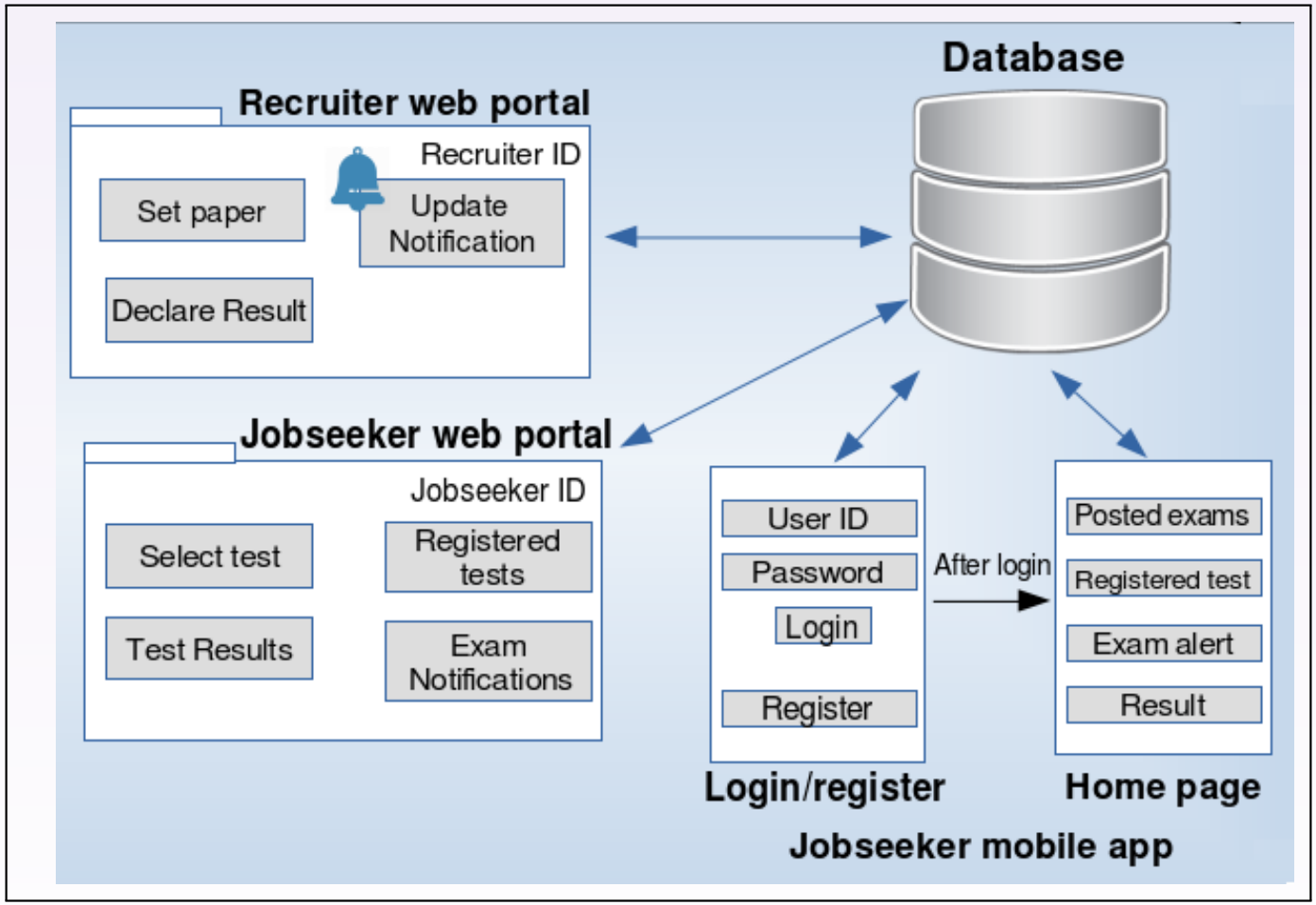

Figure: CAPES Architecture

Technology

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- **Bootstrap, JSON, AJAX, JQuery**

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- **PHP, MySQL**

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- **PHP, MySQL**
- **XML, Java**

Security

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- **Face and keystroke recognition**

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- **One window**

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- **One window**
- **E-mail, One Time Password**

Security

- Face and keystroke recognition
- One window
- E-mail, One Time Password
- Answers in Encrypted format

Suggestions from Round 1

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- **Difficulty level, time for questions**

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- **JSON**

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Suggestions from Round 1

- **Difficulty level, time for questions**
- **JSON**
- **AJAX, JQuery**
- **Browser dependencies, Chrome, Firefox, Opera, Safari, Edge**

Suggestions from Round 2

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- **Security features**

Additonal Features

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- **Recognise face, flag inconsistency**

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- **User recognition through Keystrokes**